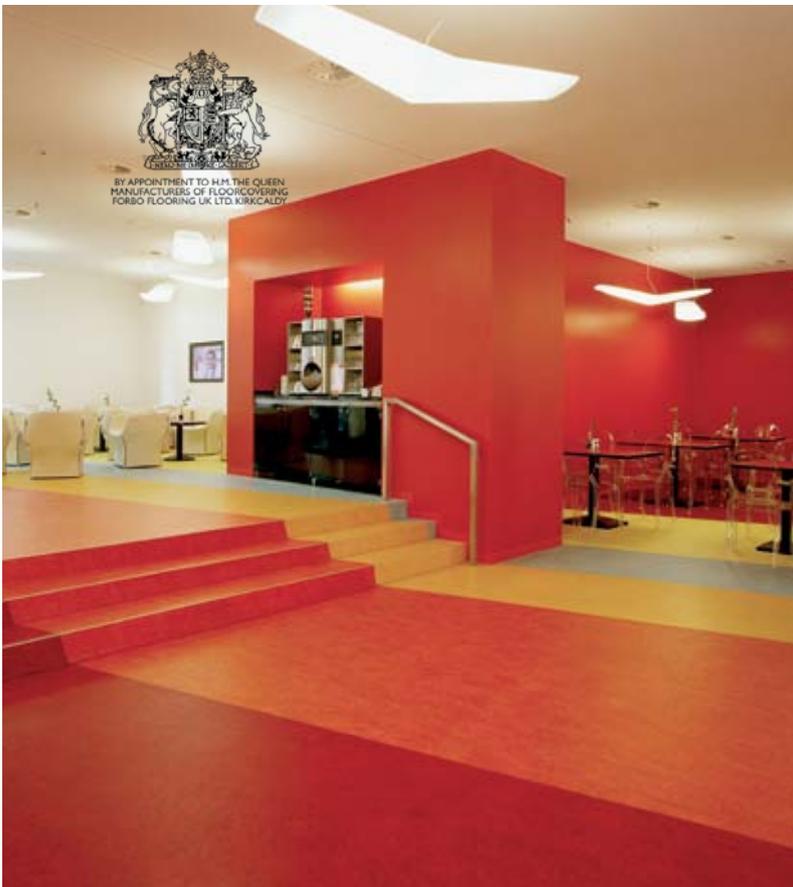


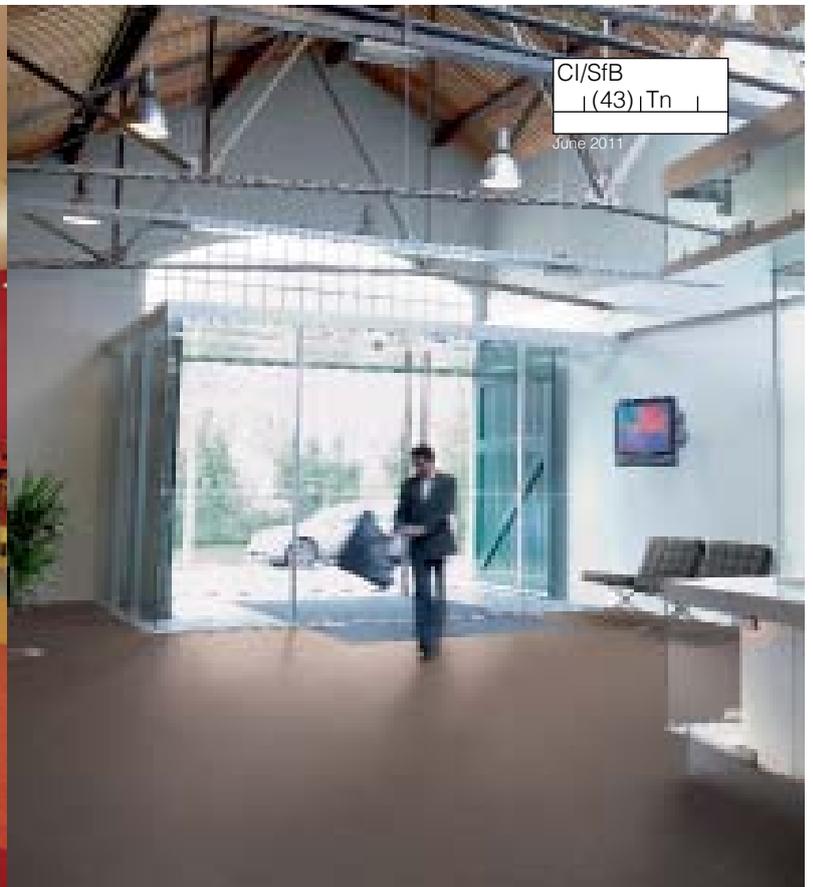


BY APPOINTMENT TO H.M. THE QUEEN
MANUFACTURERS OF FLOORCOVERING
FORBO FLOORING UK LTD. KIBKCALDY



CI/SfB
I(43)Tn

June 2011



Resilient flooring

marmoleum^oglobal 3
project vinyl

creating better environments



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You're thinking
time is precious

We're thinking
we agree



Forbo Flooring Systems is a global producer of world-class flooring solutions, employing approximately 3,000 people worldwide with an international network of 12 production sites and sales offices in over 37 countries. We constantly strive to produce sustainable flooring systems that create better environments everywhere.

We enhance the interior environment by offering innovative and beautifully designed flooring products boasting long life and consistent high quality. At the same time we help to take care of the natural environment through our commitment to sustainable development and responsible raw material procurement and manufacturing processes.

We have a comprehensive product offer for commercial, public sector and residential interiors. Now, to complement our long established market leading linoleum, project vinyl and residential collections, we also supply a comprehensive collection of commercial quality carpet tiles and a unique

range of flocked floor coverings. Furthermore, to prevent footborne soil and moisture from spoiling the appearance of interior floor finishes and causing unnecessary wear and tear, we provide co-ordinated and fully integrated entrance matting systems to meet the needs of any type of building in any location.

With a range of subfloor systems, Eurocol and floor care products to complete this extensive and versatile product portfolio, Forbo Flooring Systems can deliver 'total solutions' for every project, assuring quality and accountability from a single supplier whilst saving you time and money.

forbo
FLOORING SYSTEMS

You're thinking multiple projects & suppliers

...in workspaces

We offer floor coverings specifically designed to meet the aesthetic and functional demands of today's commercial interiors and public sector buildings and have designs in sheet and tile and resilient and textile constructions, to suit every type of workspace, from the most dynamic and vibrant interior spaces through to more subdued and formal surroundings.

...in healthcare

From the operating theatre to the patient bedroom, Forbo offers total flooring solutions to meet the stringent performance and maintenance criteria demanded across all parts of the healthcare sector. Our advanced resilient ranges are the choice of the healthcare specifier for their outstanding strength, durability and unique hygienic properties.



...in education

From nurseries to academies and universities, educational establishments demand attractive, hardwearing, low maintenance flooring solutions. We satisfy these demands in full with our linoleum, carpet tiles, Flotex and vinyl floor coverings which also offer critical acoustic, conductive and slip-resistant properties.



...in leisure and retail

With large collections of luxury vinyl tiles, colourful sheet vinyl and linoleum designed for heavy traffic areas, Forbo floor coverings can be specified to match any retail formula and enhance every type of department store and leisure facility.

...in industry and transportation

Our expertise extends into the industrial and transportation sector where we offer fire retardant entrance systems, safety flooring and wall cladding solutions from our heavy duty linoleum and project vinyl ranges.

...in the home

Whilst Forbo is best known for its world-class flooring solutions for commercial interiors, we also design and manufacture floor coverings for domestic interior environments. Discerning homeowners may also benefit from the reassurance of quality, durability and design for which Forbo is justifiably renowned.



We're thinking integrated solutions

We've been manufacturing flooring for over a hundred years so there's plenty of experience when it comes to supplying high quality floor coverings and finishes to meet your requirements.

With such a comprehensive range of flooring solutions Forbo can supply exactly what you need to create beautiful high performance floors in every part of your building.

For optimum aesthetic appeal and performance, different floor finishes can be combined to create an integrated design scheme.

We can help you every step of the way. Tell us about your project and let us know your priorities. We'll guide you through our product range and recommend options that will meet your needs whether you're looking for general purpose flooring or a specialist solution.

When ready, our design service can then take a paper plan or PDF file of your interior scheme and convert it into a design board which presents all selected flooring finishes complete with actual samples.

For more information on this service please contact our customer services on **01772 332 620**. Alternatively, experiment yourself with our floorplanner available at www.forbo-flooring.co.uk

Textile flooring: Carpet tiles	tessera® westbond™
Linoleum	marmoleum® artoleum® walton touch bulletin board® furniture linoleum
Project vinyl: General purpose Safety Acoustic ESD Design & loose lay tiles Wetroom	eternal step® surestep step® safestep sarlon® colorex® allura Forbo LVT 0.55 flex design safestep grip onyx
Flocked flooring: Flotex	flotex®
Entrance flooring: Entrance systems	coral® nuway®
Residential	marmoleum® flotex® novilon® enduro
Service products: System solutions	forbo quickfit subfloor system eurocol



You're thinking real sustainability

As a global player in the flooring market, leading many of the sectors in which we have a presence, we take our environmental responsibilities very seriously.

By adopting a forward thinking approach to product design and by using state of the art production processes we minimise our use of energy and other scarce resources.

We engage in responsible product sourcing that combines our customers' preference for quality with care for the environment, carefully selecting suppliers who reflect our environmental concerns.

Marmoleum raw materials



Linseed oil



Rosin



Limestone



Pigments



Wood flour



Jute

We're world leaders in linoleum and our innovatively designed Marmoleum and Artoleum ranges are amongst the most durable and eco-friendly floor coverings that money can buy, manufactured from renewable natural materials such as linseed oil, pine rosin, wood flour, jute and ecologically responsible pigments. Marmoleum boasts a number of coveted international environmental awards including the Scandinavian Swan and Nature Plus labels. It also achieves an exceptionally good Life Cycle Assessment score.

We're thinking responsible action

We constantly seek to improve the environmental performance of our processes; all of our manufacturing operations are ISO 14001 certified. Raw materials and energy are used efficiently, waste is recycled wherever possible, and emissions are kept to an absolute minimum.

We are working towards a target of achieving 'zero industrial waste' throughout our production sites. For instance, we use our scrap PVC to create the backing layer for our Flotex tiles. 'Trim waste' from our carpet tile manufacturing is being converted to solid bricks which are used in road building. In addition to dealing with our own waste in the most responsible manner possible, we are also helping to process waste material for some of our competitors.

Many of our flooring products have received Building Research Establishment (BRE) certification after undergoing stringent assessment to measure their environmental impact at every stage in their life cycles. We are currently the only manufacturer to offer BRE accredited entrance matting systems. The environmental profiles score on Forbo products can be used in the BRE Environmental Assessment Method (BREEAM) to provide a credible and objective environmental rating for a building's environmental impact.

Specifiers and facility managers seeking assurance of good indoor air quality will find an extensive range of Tessera and Westbond carpet tiles that have been successfully tested under the Green Label Plus scheme – a US standard which measures the VOC emissions of floor coverings.

Flotex and Marmoleum have both earned the Seal of Approval from Allergy UK, the country's leading medical charity for people with allergies, food intolerance and chemical sensitivity. The Seal is awarded to products which are proven to restrict, reduce or remove allergens from their environments or which have significantly reduced allergen content.

For more information on our BRE ratings, eco labels or our Life Cycle Assessment score, please visit our website www.forbo-flooring.co.uk or request a copy of our Black & White Guide to Green on 0800 731 2369.

A selection of our international environmental awards for Marmoleum



marmoleum®

For more than 100 years, Forbo Flooring Systems has been specialising in creating better living and working environments, producing stunning floor coverings whose designs, colours and structures are inspired by the world around us. Forbo's linoleum is the perfect answer to today's ecological concerns, linoleum is produced from natural, renewable resources: linseed oil, rosins, wood flour, limestone, jute and environmentally responsible pigments. These are both the secret to each design's inimitable look and feel, and the reason why linoleum is non-allergenic. They also explain why life-cycle assessment shows that linoleum is the ecologically preferable floor covering. Our linoleum is based on three principles: 1. beautiful designs that enable architects and designers to express their aesthetical and functional priorities in new and exciting ways; 2. solid economic benefits from installation and maintenance to durability; and 3. the best ecological performance that any floor covering can give you.



Linseed oil



Rosin



Wood flour



Limestone



Pigments



Jute

Marmoleum sheet various

BREEAM ratings

Linoleum – Plain and decorative linoleum (EN548)

Building Type	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
A	A+	A+	A	A+	A+	-

Collection

Forbo Marmoleum is available in an extensive choice of colours and designs – more than 200 different combinations – from marbled and heavy-marbled designs to solid ones. We also offer a range of unique, non-marbled designs in our Artoleum range. Forbo Marmoleum is available in both sheet and tile form.

Forbo Marmoleum, the natural choice:

- Made from 97% natural raw materials
- 67% harvestable and renewable materials
- 37% post industrial waste
- Bacteriostatic by nature
- Biodegradable
- Repairable waterbased finish
- Resistant to cigarette burns
- Easy to clean and maintain with the proven Topshield finish
- Low life cycle costs
- Durable
- Antistatic
- Hygienic

Nature provides a great start by providing renewable raw materials to make linoleum. These raw materials are harvested or extracted with relatively little energy consumption. "As long as the sun shines, and the rain falls, we can produce Marmoleum® and Artoleum®".

Linseed oil

Linseed oil, the key raw material in linoleum, is obtained by pressing the seeds of the flax plant. Oxidizing the oil creates a thick spongy mass we call cement, which forms the basis of linoleum.

Rosin

Rosin is a binding agent that, together with linseed oil, gives our linoleum its strength and flexibility.

Wood flour

Wood flour from controlled forests is used to bind pigments, ensure colourfastness and optimise a smooth surface; it's the secret to why our linoleums maintain their beautiful, vibrant colours throughout their lives.

Limestone

Limestone, very finely ground, is used to achieve a specific density in our linoleum.

Pigments

The most beautiful colours are created by using ecologically responsible pigments. Forbo pigments therefore do not contain heavy metals such as lead and cadmium.

Jute

Natural jute is used as a backing on which to calendar the linoleum cement.

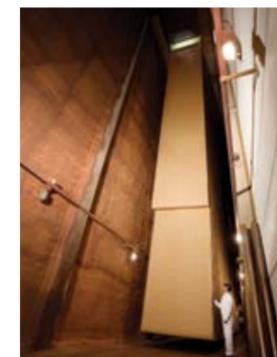
Linoleum: made from natural & renewable raw materials

The linoleum production process has existed for more than a century. It is a craft which essentially consists of oxidation, mixing, calandering and drying.



Despite the most modern production techniques, linoleum manufacturing, which dates back more than 100 years, continues to reflect its artisan roots. Pigments are still added in a way that the colours build up from the base, and the final phase still involves calandering and drying. Nor does the craftsmanship end there: installing linoleum and creating beautiful designs is a highly skilled profession.

Our product design teams draw their inspiration from nature, the visual arts and the latest design trends. We also work with leading artists, inspiring architects and renowned interior designers. This leads to ongoing innovation and a product range that is always contemporary, always inspiring and always evolving, while remaining a natural product.



Linoleum benefits



Ecological

- Our linoleum products are produced from controlled natural, renewable resources.
- We strive for the lowest environmental impact according to Life Cycle Assessment (LCA) criteria.
- Linoleum is by nature biodegradable.
- Our processes are dedicated to continually finding new ways to reduce waste and energy use.
- Being easy to clean, our linoleum floor coverings contribute to a healthy interior climate.
- We recognise and are committed to independent environmental quality standards.
- Our linoleum fits perfectly in sustainable building concepts.



Design

- Our linoleum reflects the latest colour and design trends, developed in close cooperation with leading architects and designers.
- Hundreds of combination options provide an ideal basis for creating all kinds of moods and atmospheres.
- More colour shades and tones than ever before.
- Our Dual tiles provide the opportunity to create colourful floor patterns.
- Aquajet cutting service for specially cut designs, such as logos or a particular personalised visual.
- Invisible non soiling multi coloured welding rods.
- Colour-matched skirting and coving solutions.
- One-stop shopping with the broadest linoleum range on the market.



Economical

- Proven Topshield finish for easy and cost efficient cleaning and maintenance.
- A life expectancy of over 25 years resulting in low life-cycle costs.
- System Solutions for specific floor covering problems.
- Professional support and service products for efficient, perfect installation.
- Assistance to help calculate the most efficient materials and installation plan for any space.
- Total cost comparison calculation can be done on request, which provides an immediate indication of total cost of ownership.

With a unique world class linoleum offer, Forbo is committed to always applying the latest environmental knowledge. Many independent third parties acknowledge this Forbo environmental commitment.



FFS-2011
GECA 25-2011
Floor Coverings



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EC-28-08
Floor Coverings



Germany

Nature Plus is a Europe-wide environmental label that tests products on their environmental, health and functional characteristics. Obtaining it ensures among other things that a product has at least 95% renewable and/or mineral components and is made in an environmentally friendly production process.

The Nordic Swan Label, Scandinavia

The Nordic Swan Label aims to provide clear environmental information to users. Maintaining this certification ensures continuous improvement because the performance standard is raised with each recertification.

UZ 56, Austria

UZ 56 certified products are evaluated on their content of halogens, heavy metals, bactericides, fungicides and emissions, and the impact on the environment of their production, use and disposal.

SMART, USA

Sustainable Materials Rating Technology (SMART) evaluates the overall environmental performance of building products throughout their life cycle. Our linoleum complies with the highest rating: Platinum.

Good Environmental Choice, Australia

This eco-label programme ensures a strict review of key environmental impacts throughout the product's lifecycle and delivers independent environmental information for a wide range of consumer and building products.

Ecolabelling Trust, New Zealand

The New Zealand Ecolabelling Trust is an independent, voluntary, multi-specification-based environmental label to reduce the environmental impact of products.

Environmental Quality Mark, The Netherlands

This independent Dutch eco label ensures strict requirements for the whole product lifecycle are met, and includes packaging and product information as well.

Environmental impact

The natural ingredients used in our linoleum combined with our way of sourcing and producing ensures it achieves an exceptionally good Life Cycle Assessment score. LCA is an environmental impact analysis over the lifecycle of a product and is the best way to measure the environmental impact of a floor covering. As a result, we know that Forbo's linoleum is one of the best floor coverings from an ecological viewpoint; one we are continuing to improve as well.

Marmoleum is globally acknowledged by independent environmental awards

Marmoleum Global 3

Forbo's three main linoleum brands are **Marmoleum, Artoleum and Walton**. Each collection has been designed with a specific look and feel in mind. From heavily marbled to solid, simple colours or striking contemporary designs and structures, each collection offers a complete colour scheme, making them ideal for use in any number of environments.

marmoleum®

Marmoleum represents the classic marble-look structure that many people appreciate in linoleum. Marmoleum is available in three different designs ranging from lightly to heavily marbled, and a massive 88 colours.

artoleum®

Artoleum is a unique collection with an innovative appearance and in many ways the opposite end of the design spectrum from Marmoleum. Artoleum is a world of colour and texture, beauty and playfulness, contrasts and unexpected combinations, all available in a wide range of colours and patterns, and not a marble-design among them.

walton

Walton stands for solid colours and was especially created for interiors that benefit from a strong, simple, design-driven look and feel. Walton is available in two different surface structures plus an additional crocodile embossing. The product takes its name from Fredrick Walton, who produced the first linoleum way back in 1863.



A good floor covering is one that withstands heavy use in all kinds of situations yet at the same time retains its like-new aesthetics without costing the earth to clean and maintain.

Developed specifically for linoleum, Topshield is a unique, advanced, two-layer water-based surface finish that protects floors, keeping them looking good and easy to maintain, year after year.

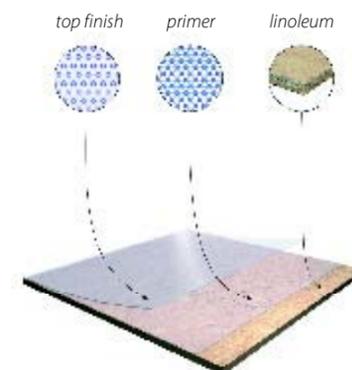
Unique features:

- After installation there is no need to apply a coat of polymer
- Lower cost due to less cleaning and maintenance time
- Better protection against dirt and scuff marks
- Available on all Marmoleum, Walton and Artoleum specifications.

Topshield in a nutshell

- A highly effective shield against scuffing and dirt
- Maintains aesthetical properties of Forbo Marmoleum
- Water based eco friendly coating system
- Stain and chemical resistant
- Total or spot renovation possible, extending the floor's life even further
- Total performance solution together with Forbo FloorCare System, a simple and cost effective way to clean, maintain and renovate Forbo Marmoleum
- Ensures bacteriostatic properties of Forbo Marmoleum, even against MRSA
- Semi-gloss appearance ensures floors look and feel clean and natural
- No initial polymer required – just clean as normal after installation
- Less cleaning and maintenance means lower operating costs
- Available on all Marmoleum, Walton and Artoleum specifications

With Topshield on top, you have a floor covering that lasts and lasts.



Service products

Forbo Flooring is well known for its high standard of installation advice and support. We have everything you need to install your new linoleum floor covering correctly:

- Installation trainings and tools
- Installation products
- Subfloors – Forbo QuickFit System
- Design skirtings
- Coving solutions
- Stair nosings
- Finishing accessories

For more information about our Service products please visit our website www.forbo-flooring.co.uk



Marmoleum various

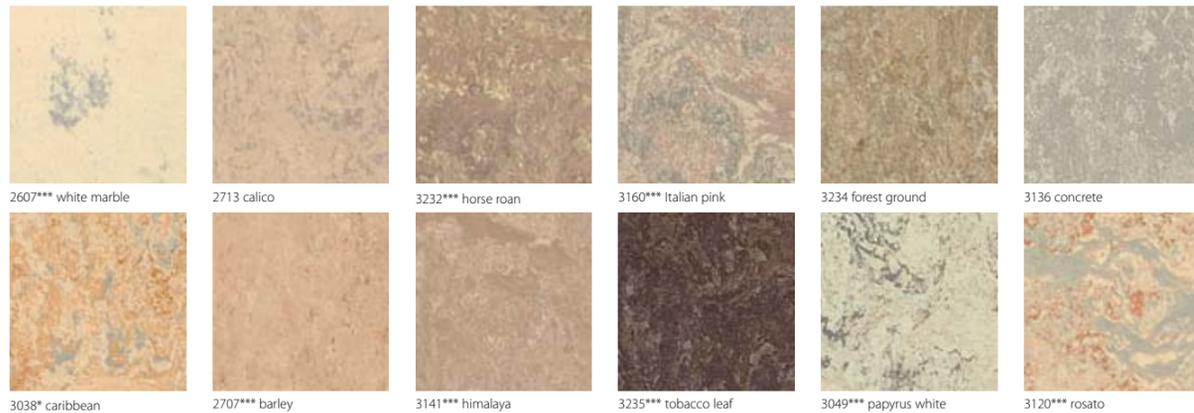
marmoleum® real



With its classic marbled structure, Real is an all round, reliable solution for all floor covering needs. Real comes in a wide choice of neutral, vivid and daring colours, with each shade built up from two to five colours that are calandered together to create a marbled structure. Real also forms the basis for sub-collections, like the Authentic and Dual tiles range, and the enhanced properties products, like Ohmex, Decibel and Acoustic. In total, 60 colours ensure a wide colour palette, from classic and bold brights to warm neutrals.



Marmoleum Real 3224 + Marmoleum Real 3223 + Marmoleum Fresco 3858



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



* also available in 3.2 mm ** also available in 3.2 mm and 4.0 mm *** only available in 2.5 mm Matching multi coloured and solid coloured welding rods are available in all collection colours.

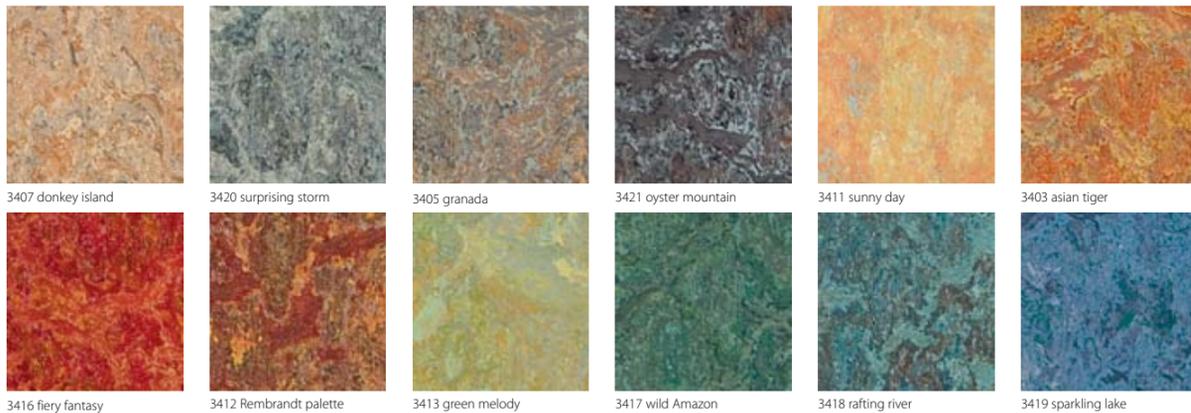
marmoleum® vivace



A rich, vividly marbled structure offering powerful, colourful contrasts delivered by mixing eight elegant colours yet retaining a predominant hue. The result is a colourful and lively design that hides dirt and adapts well to a multitude of interiors. Vivace is available in 12 colours, from multifaceted neutrals to contrasting, daring colours.



Marmoleum Vivace 3420 + Marmoleum Vivace 3421 + Walton Cirrus 3351

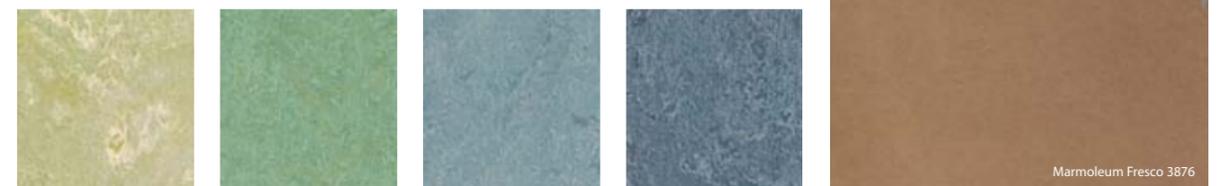
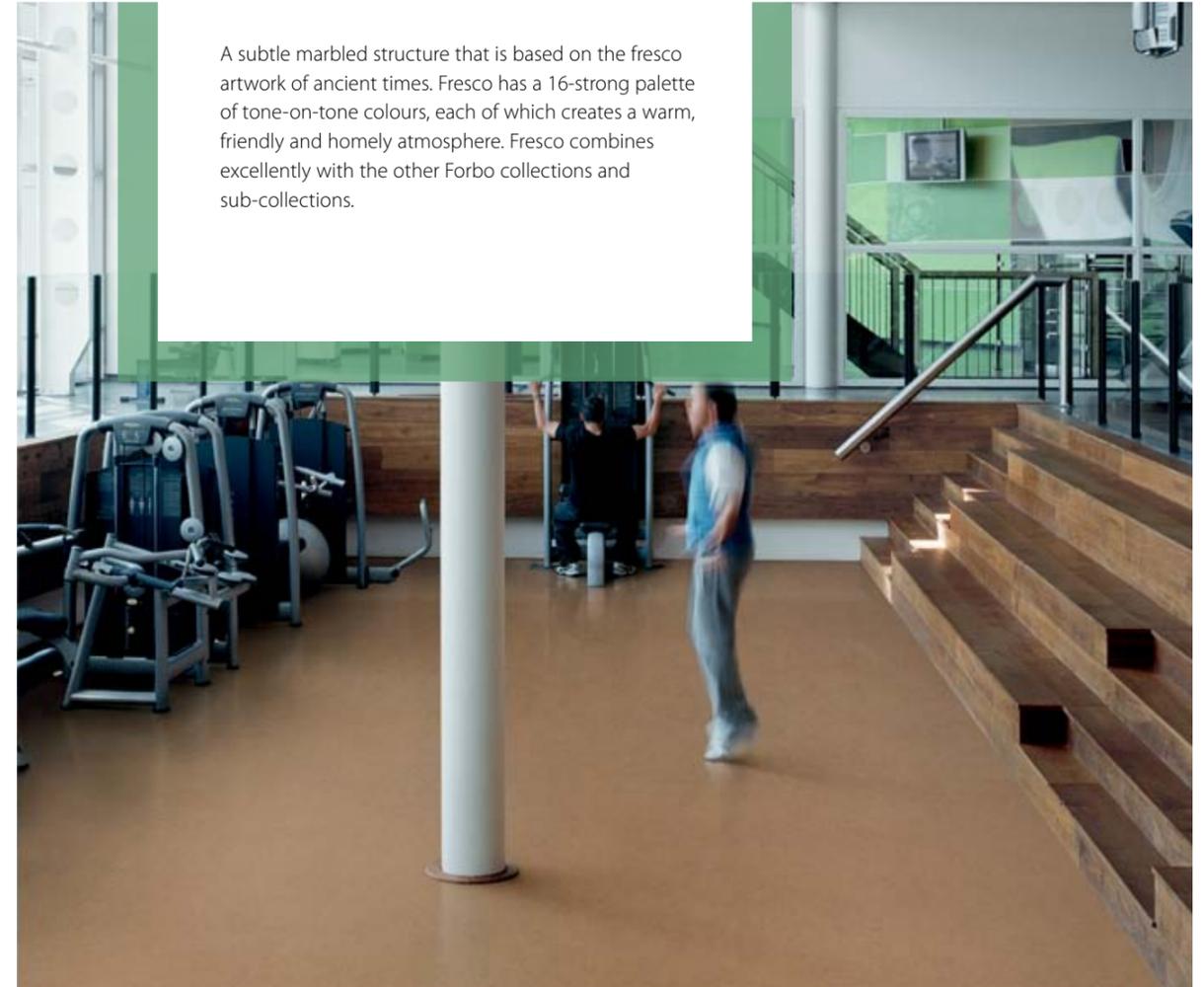


Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

marmoleum® fresco



A subtle marbled structure that is based on the fresco artwork of ancient times. Fresco has a 16-strong palette of tone-on-tone colours, each of which creates a warm, friendly and homely atmosphere. Fresco combines excellently with the other Forbo collections and sub-collections.



Marmoleum Fresco 3876

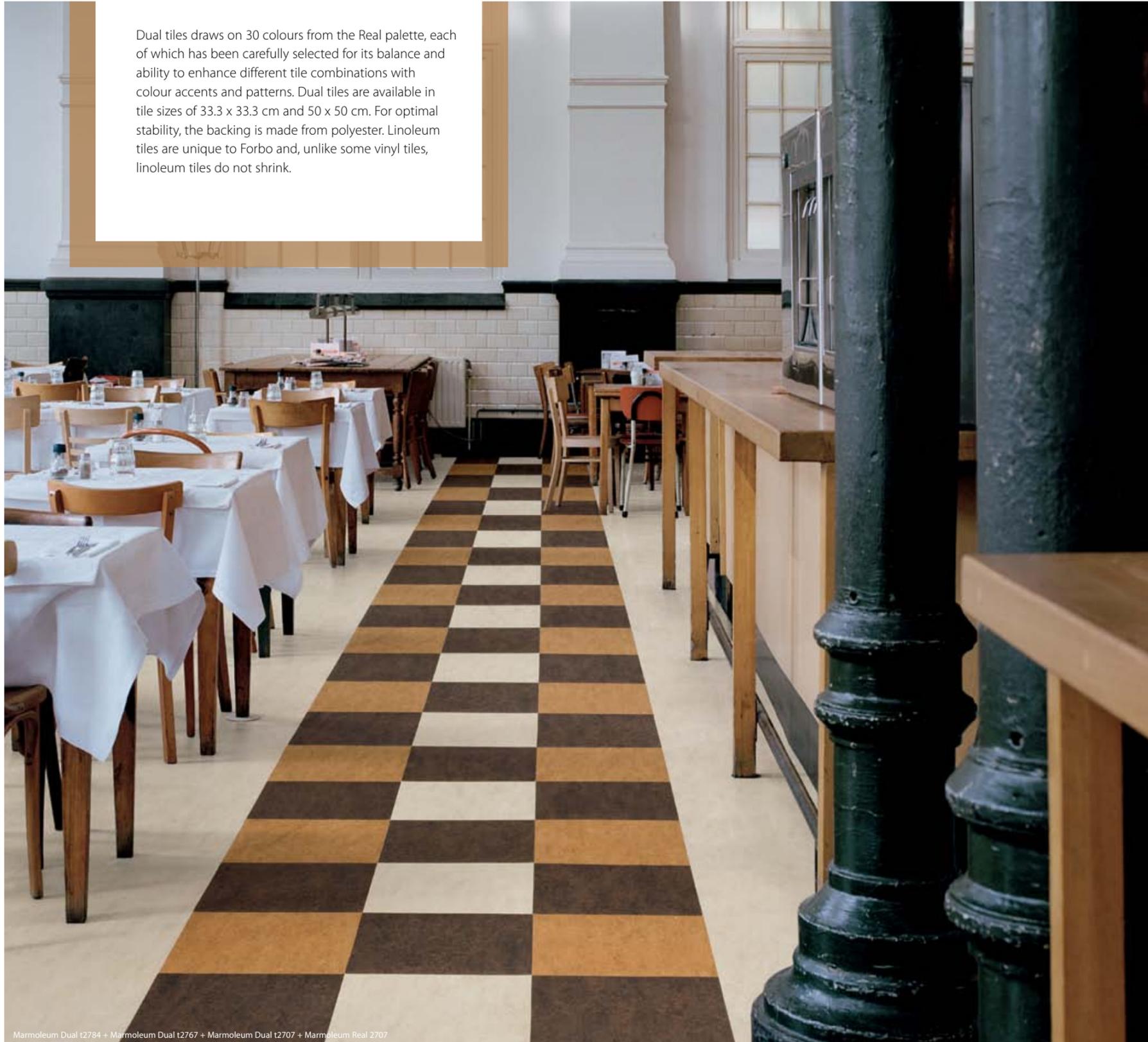


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marmoleum® dual



Dual tiles draws on 30 colours from the Real palette, each of which has been carefully selected for its balance and ability to enhance different tile combinations with colour accents and patterns. Dual tiles are available in tile sizes of 33.3 x 33.3 cm and 50 x 50 cm. For optimal stability, the backing is made from polyester. Linoleum tiles are unique to Forbo and, unlike some vinyl tiles, linoleum tiles do not shrink.



Marmoleum Dual t2784 + Marmoleum Dual t2767 + Marmoleum Dual t2707 + Marmoleum Real 2707



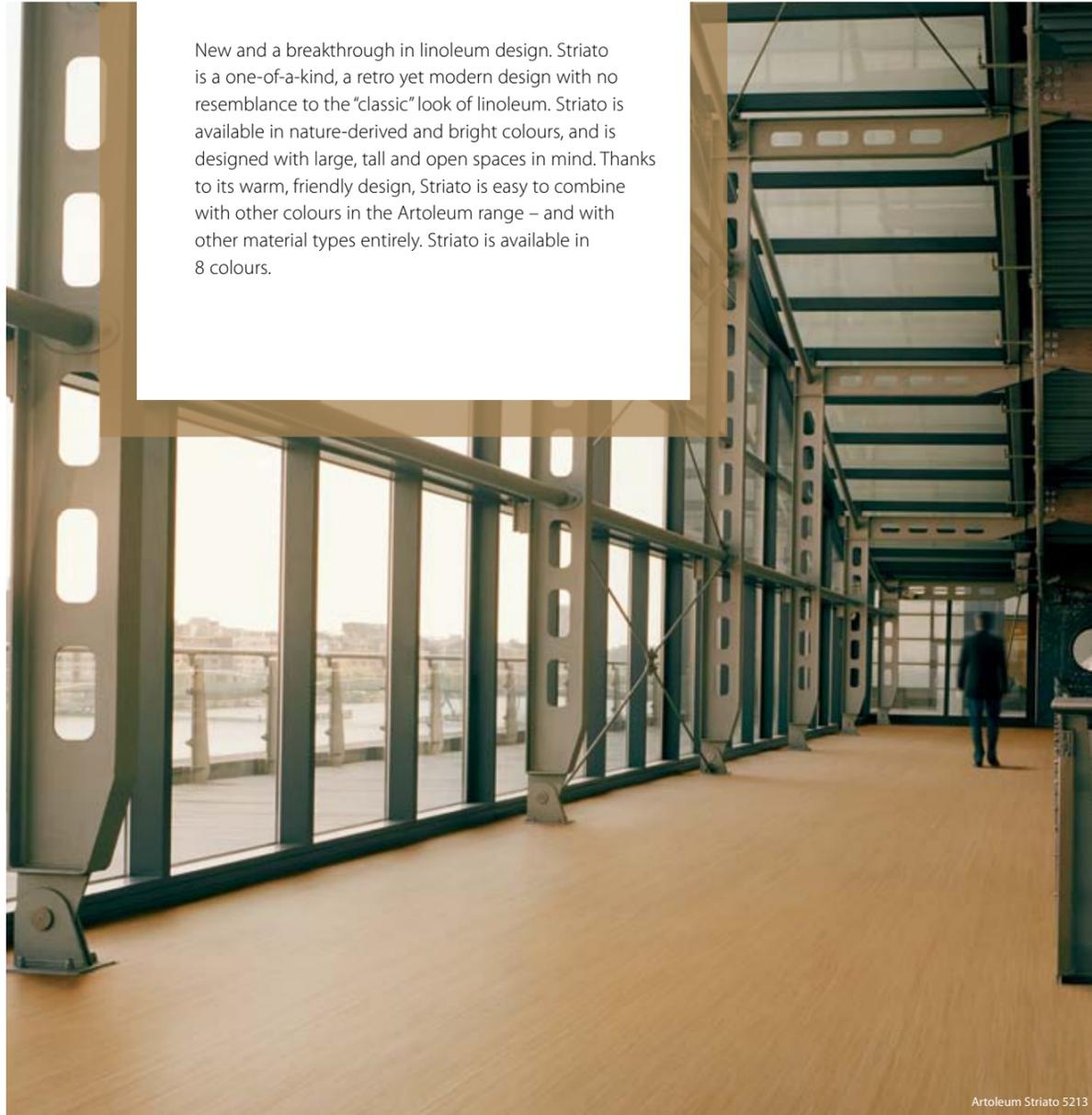
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Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

artoleum[®] striato



New and a breakthrough in linoleum design. Striato is a one-of-a-kind, a retro yet modern design with no resemblance to the "classic" look of linoleum. Striato is available in nature-derived and bright colours, and is designed with large, tall and open spaces in mind. Thanks to its warm, friendly design, Striato is easy to combine with other colours in the Artoleum range – and with other material types entirely. Striato is available in 8 colours.



Artoleum Striato 5213



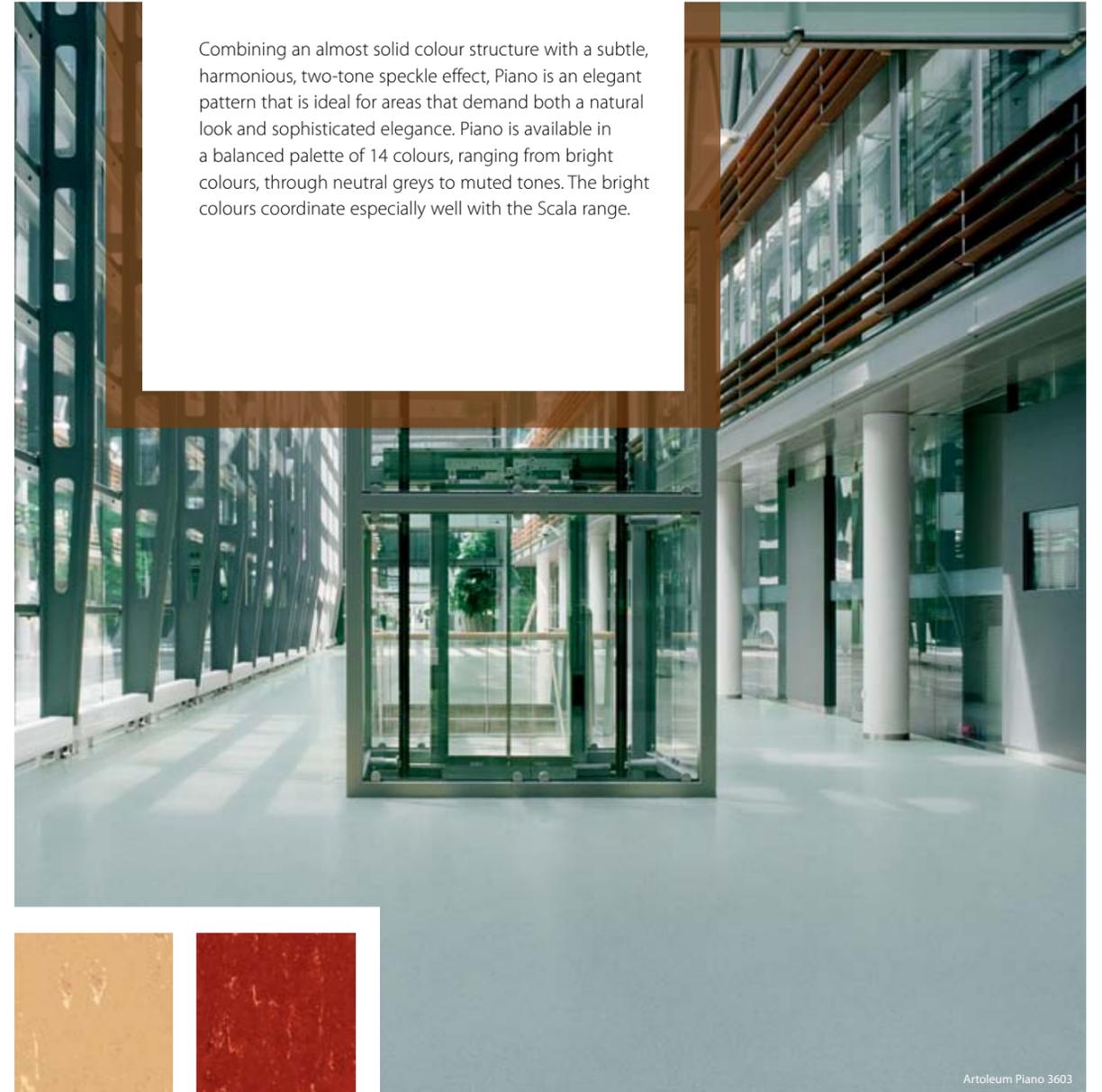
5216 pacific beaches
5217 withered prairie
5218 welsh moor
5220 ploughed acre
5219 marsh delta
5213 waving wheat
5214 sunset valley
5215 tulip fields

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

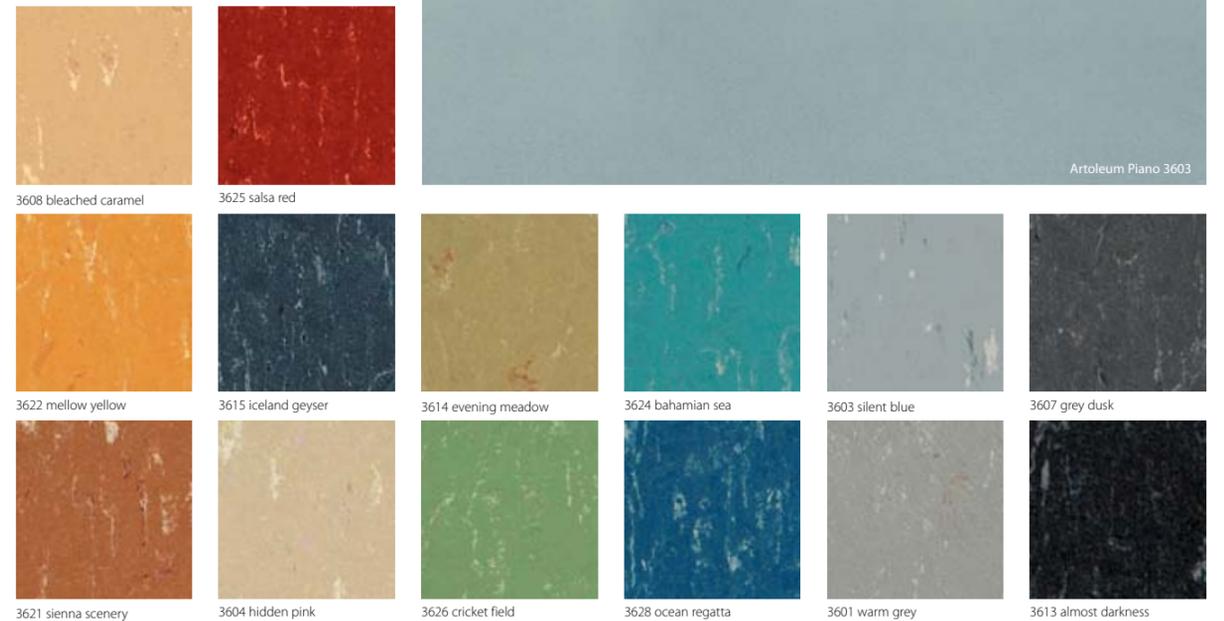
artoleum[®] piano



Combining an almost solid colour structure with a subtle, harmonious, two-tone speckle effect, Piano is an elegant pattern that is ideal for areas that demand both a natural look and sophisticated elegance. Piano is available in a balanced palette of 14 colours, ranging from bright colours, through neutral greys to muted tones. The bright colours coordinate especially well with the Scala range.



Artoleum Piano 3603



3608 bleached caramel
3625 salsa red
3622 mellow yellow
3615 iceland geyser
3614 evening meadow
3624 bahamian sea
3603 silent blue
3607 grey dusk
3621 sienna scenery
3604 hidden pink
3626 cricket field
3628 ocean regatta
3601 warm grey
3613 almost darkness

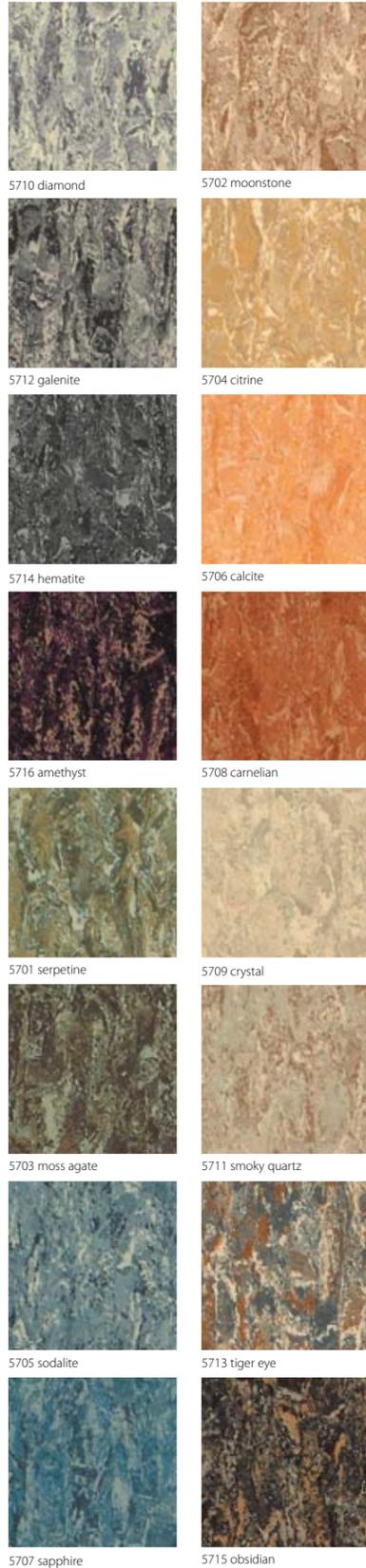
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

artoleum[®] mineral

The colours in the Mineral range take their cue from stone. Natural and harmonious, Mineral comprises easily understood designs that combine well with all kinds of interiors to create an environment in which everyone feels comfortable. Mineral is available in 16 colours.



Artoleum Mineral 5709



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

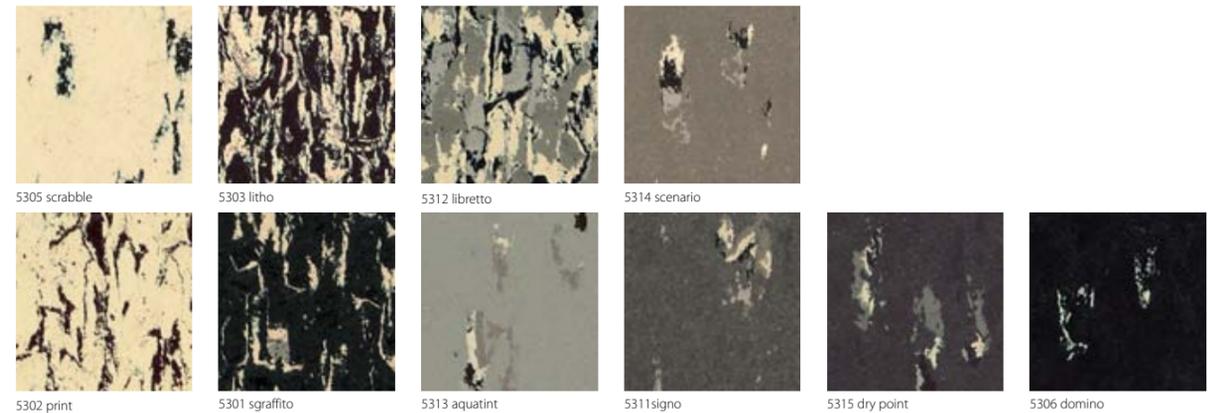
artoleum[®] graphic



Graphic's high-contrast blacks and whites and complementary greys make this a monumental design that is truly architectural. Graphic adds a surprising twist to traditional interiors yet also combines beautifully with contemporary chrome, wood, stone and coloured surfaces. The grey tones work especially well in modern buildings in which concrete or glass predominates. Graphic is available in 10 colours.



Artoleum Graphic 5302



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

artoleum[®] scala



An outspoken design that is ideal when you want to transform an ordinary space into an exceptional one, and a unique space into an unforgettable one. Scala's dynamic, rhythmic patterns contrast beautifully with the accompanying range of "Piano" designs, guaranteeing stunning combinations in every situation. Scala is available in 12 colours.



Artoleum Scala 5027 + Artoleum Piano 3622



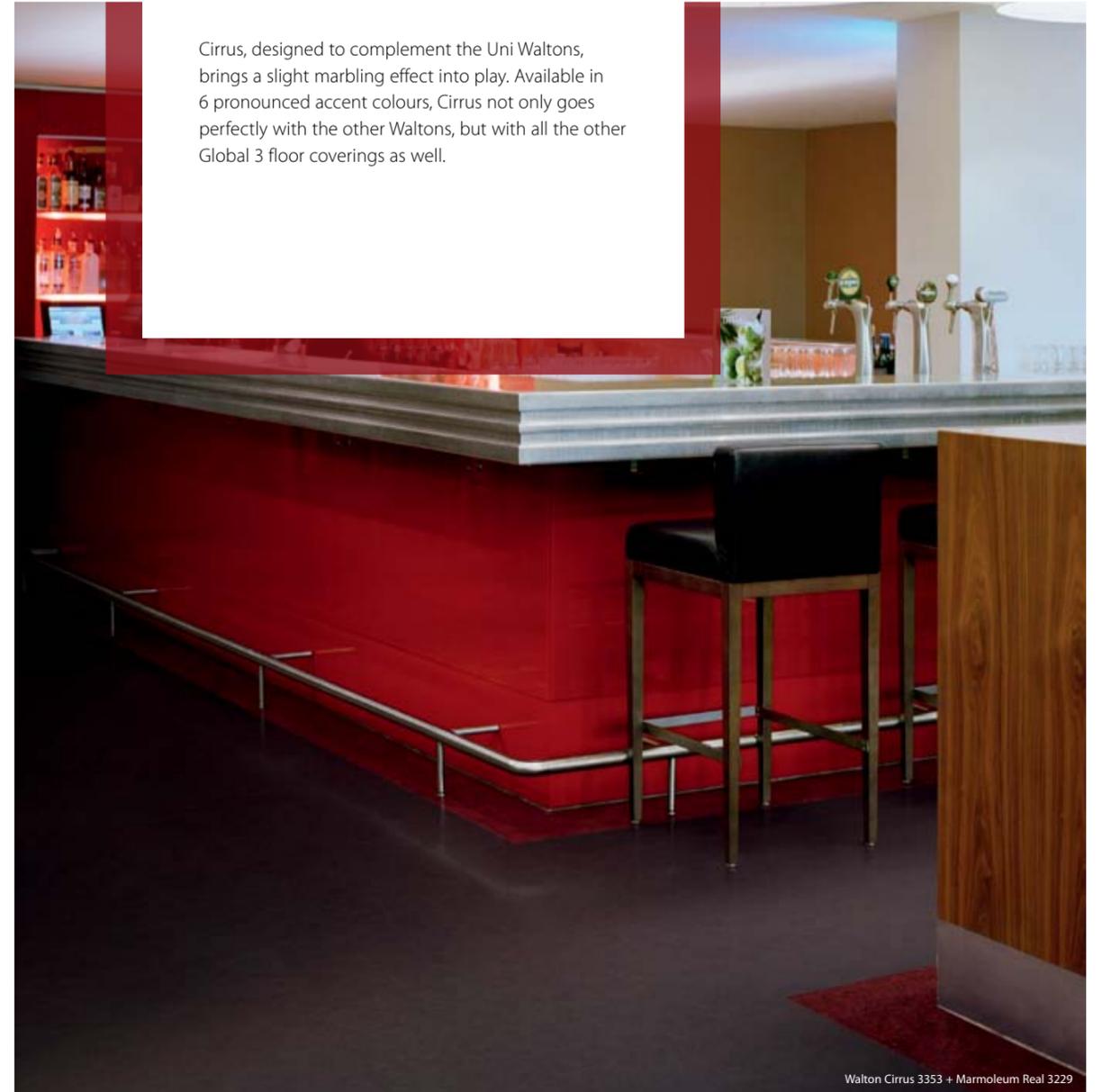
- 5047 fresh fountain
- 5046 pool party
- 5087 winter alps
- 5016 autumn glaze
- 5026 summertime
- 5017 orange cocktail
- 5066 herb garden
- 5086 iris blue
- 5067 spring dance
- 5057 fruit fantastic
- 5027 festival yellow
- 5056 el torro

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

walton[®] cirrus



Cirrus, designed to complement the Uni Waltons, brings a slight marbling effect into play. Available in 6 pronounced accent colours, Cirrus not only goes perfectly with the other Waltons, but with all the other Global 3 floor coverings as well.



Walton Cirrus 3353 + Marmoleum Real 3229



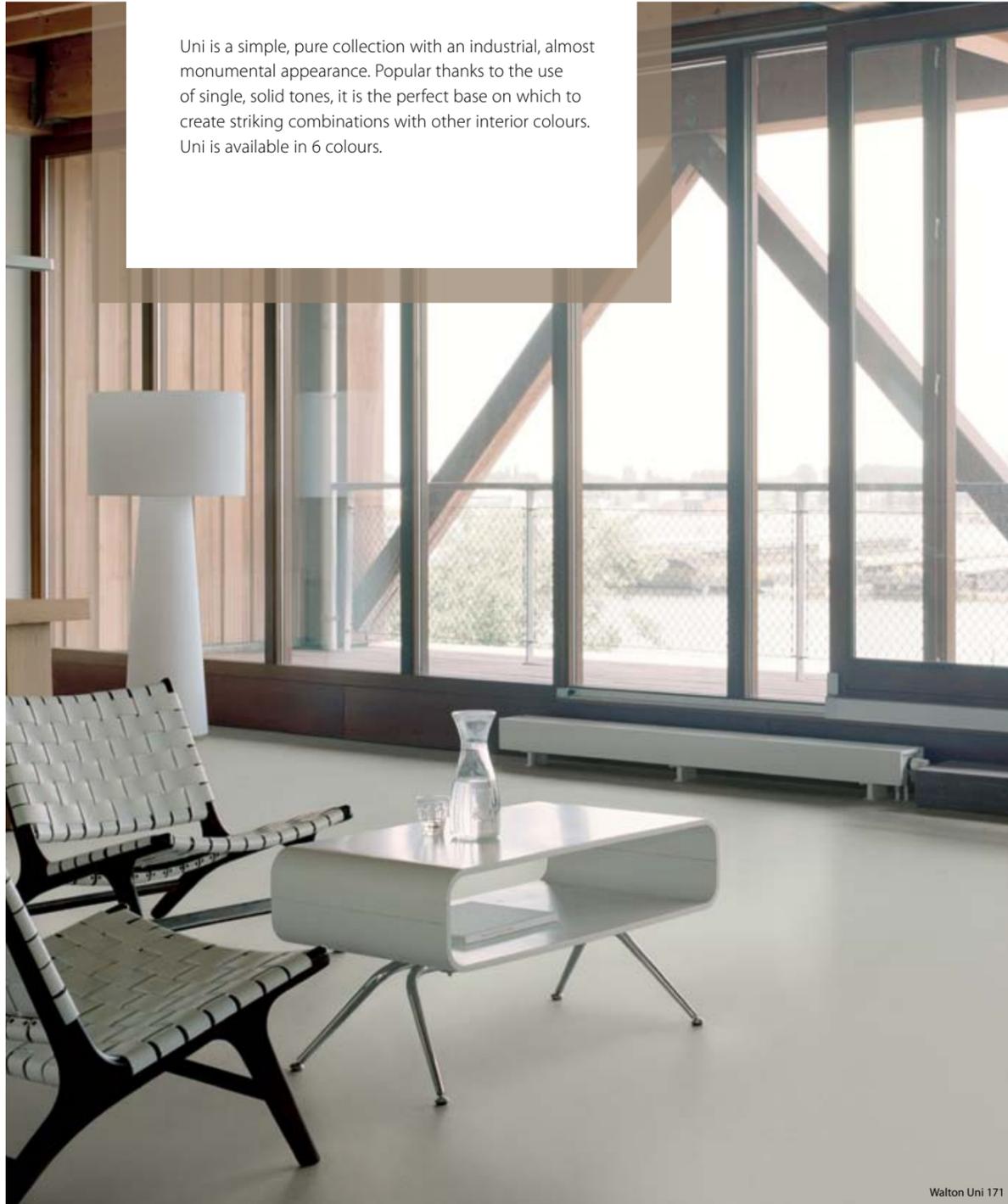
- 3353 eggplant purple
- 3354 pumpkin yellow
- 3351 coral red
- 3352 berlin red
- 3356 cyanic blue
- 3355 rosemary green

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

walton[®] uni



Uni is a simple, pure collection with an industrial, almost monumental appearance. Popular thanks to the use of single, solid tones, it is the perfect base on which to create striking combinations with other interior colours. Uni is available in 6 colours.



Walton Uni 171



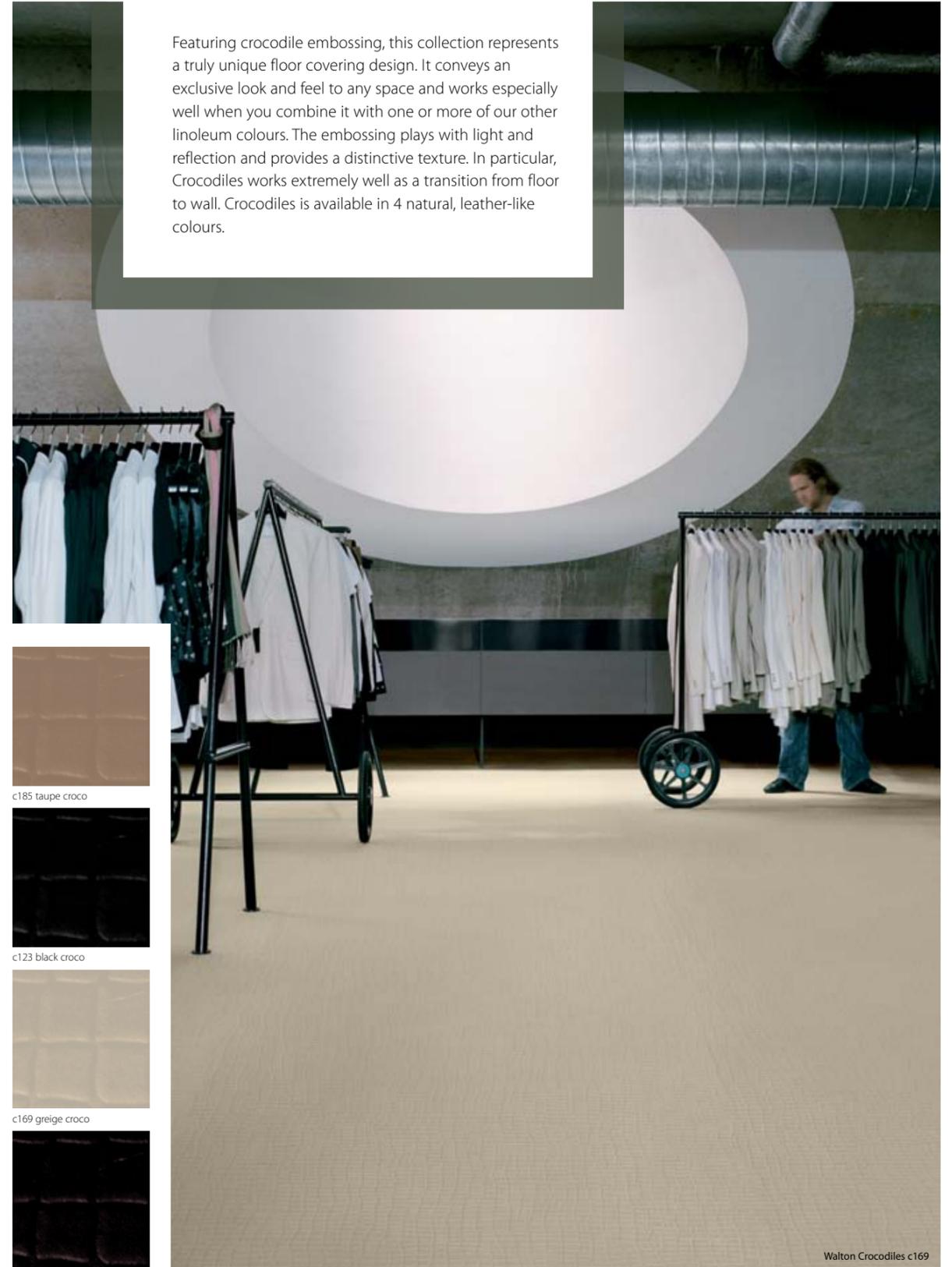
180 plaster 171 cement 173 paving 169 greige 186 lead 123 black

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

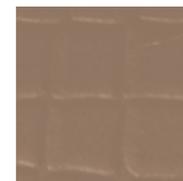
walton[®] crocodiles



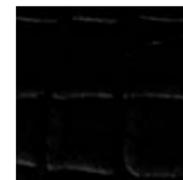
Featuring crocodile embossing, this collection represents a truly unique floor covering design. It conveys an exclusive look and feel to any space and works especially well when you combine it with one or more of our other linoleum colours. The embossing plays with light and reflection and provides a distinctive texture. In particular, Crocodiles works extremely well as a transition from floor to wall. Crocodiles is available in 4 natural, leather-like colours.



Walton Crocodiles c169



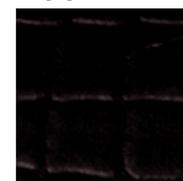
c185 taupe croco



c123 black croco



c169 greige croco



c184 espresso croco

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Special coverings for technically sophisticated solutions



With Marmoleum Global 3 all functional and aesthetic requirements are covered. In addition to our "standard" ranges, we also offer a number of linoleum floor coverings developed to meet specific technical or comfort requirements.

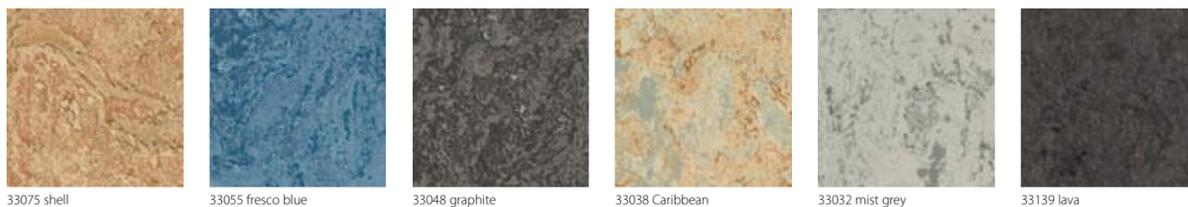


Marmoleum decibel

marmoleum[®] acoustic



Marmoleum Acoustic has a total thickness of 4mm and reduces impact sound by 14 dB (ISO 717-2). It is a twin-layer linoleum built up from 2mm of Marmoleum and 2mm Corkment backing. Using Marmoleum Acoustic reduces installation costs as it can be installed in one go, avoiding the need to first lay Corkment and then Marmoleum. Marmoleum Acoustic is available in 6 colours.



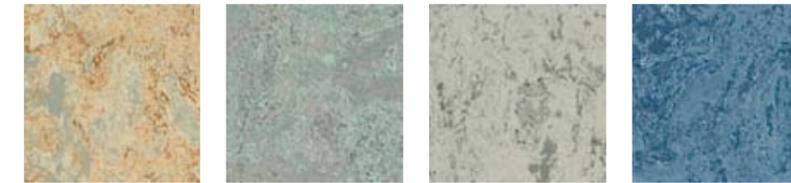
33075 shell 33055 fresco blue 33048 graphite 33038 Caribbean 33032 mist grey 33139 lava

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

marmoleum[®] ohmex



Ohmex is linoleum that meets higher requirements for electrical conductivity. Electrical resistance is improved to $< 1 \cdot 10^9 \Omega$ (EN1081), ensuring personal safety and protecting equipment that is sensitive to static electricity. Marmoleum Ohmex, which is 2.5 mm thick, is available in four colours. Typical areas of use are computer/server rooms and areas with sensitive equipment.

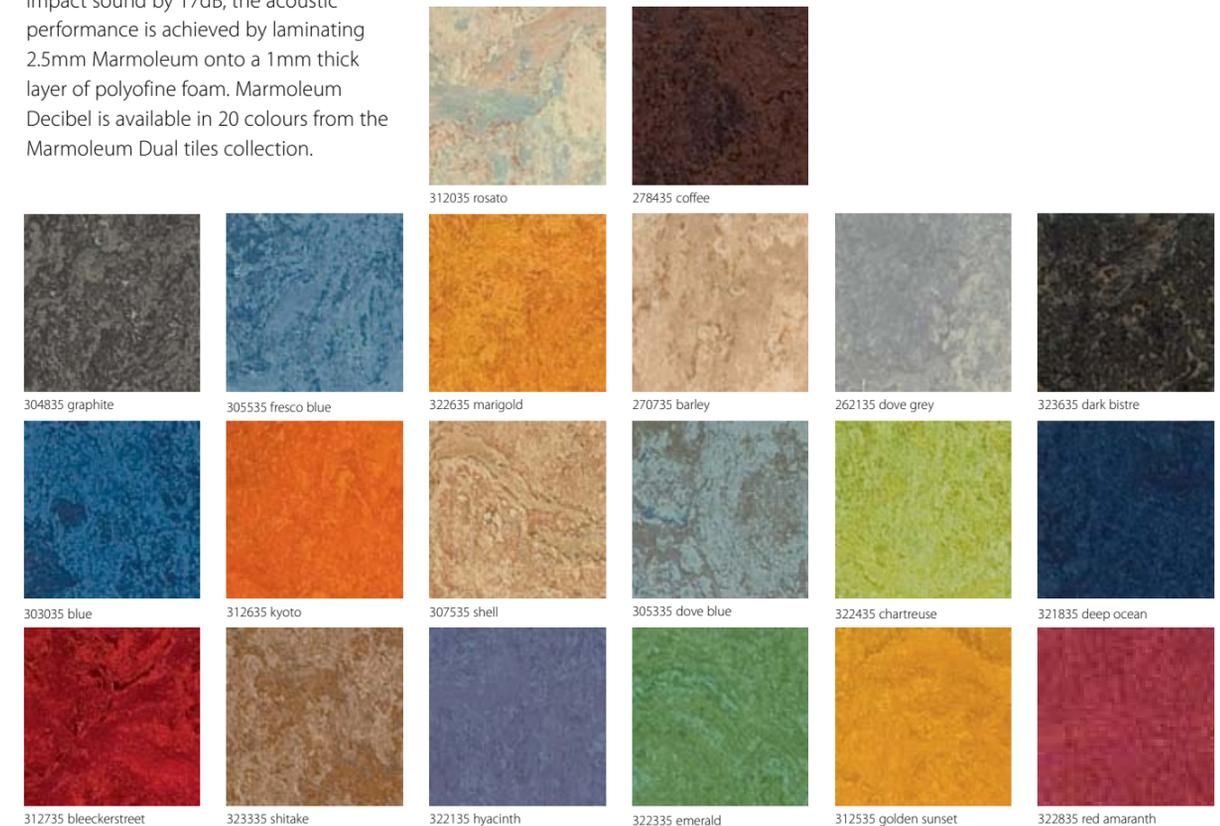


73038 caribbean 73183 eternal stone 73032 mist grey 73055 fresco blue

marmoleum[®] decibel



Marmoleum Decibel is 3.5mm thick and provides the highest reduction of impact sound by 17dB; the acoustic performance is achieved by laminating 2.5mm Marmoleum onto a 1mm thick layer of polyofine foam. Marmoleum Decibel is available in 20 colours from the Marmoleum Dual tiles collection.



304835 graphite 305535 fresco blue 322635 marigold 270735 barley 262135 dove grey 323635 dark bistre
312735 bleeckerstreet 312635 kyoto 307535 shell 305335 dove blue 322435 chartreuse 321835 deep ocean
312035 rosato 278435 coffee
322335 shitake 322135 hyacinth 322335 emerald 312535 golden sunset 322835 red amaranth

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

touch®

With the use of ecologically sound materials, architecture creates a distinctive image and atmosphere in the world we live. Touch is a totally new and innovative linoleum-based floor covering range, made from all natural and renewable raw materials. The range consists of two different types of surfaces that each deliver a wonderful tactile and natural experience: Touch duet and Touch solo.

Touch makes it easy to create inspiring natural environments that intrigue your senses. Environments that reflect current movements in art, fashion, architecture and interior design. Shiny and matt, rugged and smooth: a textured surface and range of colours that you sense as much as you see.

The secret of Touch duet and solo lies in the special characteristics that combine the hygienic and natural benefits of linoleum with the comforting and tactile qualities of cork.



Touch duet basalt 3525

Colours you can touch

Light and colour are elements that affect how we feel. With Touch, you create the interior mood of your choice: different yet sophisticated, cool yet warm, soft yet firm, neutral yet distinctive. In any and every space, light and shade combine with the textured surface of the floor to create a constantly changing 'floodscape' that interacts with its surroundings and is unique to that environment.

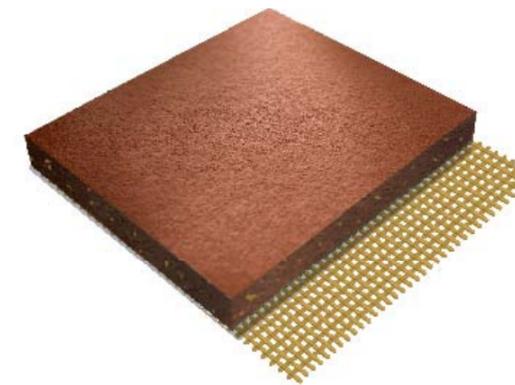
touch® duet

Despite its sophisticated finish, Touch duet is suitable for areas that see heavy use. This makes Touch duet perfect for public buildings, care facilities, shops, practices and offices. It is ideal for meeting rooms and offices, leisure areas, lounges and other spaces in which you might consider carpet, linoleum or any other floorcovering, adding a touch of class to the environment. Being all-linoleum, homogeneous, from surface to backing, Touch is extremely wear-resistant. It is also protected with an advanced linoleum top-finish to ensure optimal performance in cleaning and maintenance.



touch® solo

Touch solo is especially designed for medium traffic areas where a comforting ambiance should be created. Its warm and comforting characteristics are optimally used in meeting rooms and offices, library areas, recreation rooms, waiting rooms, elderly homes, therapy and fitness areas. Touch solo is protected by a matt finish that preserves its specific surface and makes it easy to clean.



The Touch collection was recognized as Goed Industrieel Ontwerp (GIO, Good Industrial Design) and won the M Technology Award for interior design in 2008.

touch[®] duet

Touch duet is characterized by a unique surface with a random pattern and a colour spectrum that changes according to the direction from which the floor is viewed. The 12 colours of Touch duet are inspired by the greens, yellows, reds and browns that are found in the earthy environments of nature. This contemporary feel is strengthened by the matt and gloss effect.



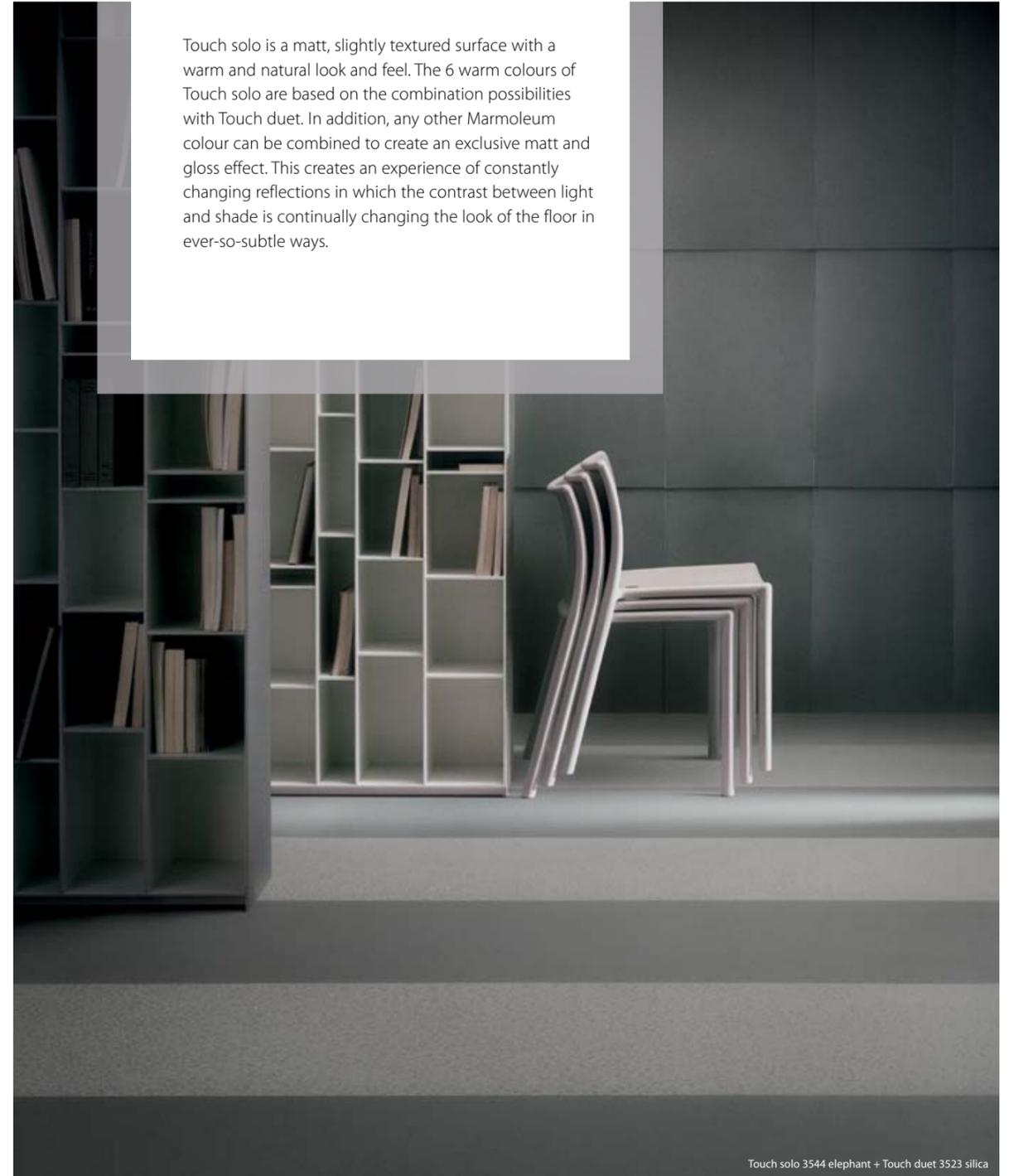
Touch duet 3530 moss



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

touch[®] solo

Touch solo is a matt, slightly textured surface with a warm and natural look and feel. The 6 warm colours of Touch solo are based on the combination possibilities with Touch duet. In addition, any other Marmoleum colour can be combined to create an exclusive matt and gloss effect. This creates an experience of constantly changing reflections in which the contrast between light and shade is continually changing the look of the floor in ever-so-subtle ways.



Touch solo 3544 elephant + Touch duet 3523 silica



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

cork linoleum®

Corklinoleum is a warm and natural floor, ideal for areas where comfort, impact sound reducing and shock absorbing properties are required.

The natural and comfortable look of Corklinoleum brings a relaxing touch to every room. It is hygienic, practical and decorative. Corklinoleum is suitable for application in libraries, (physical) therapy rooms, recreation rooms, kindergartens, living rooms, bedrooms and other areas where comfort is demanded.

Corkweld

Hygienic, practical and decorative. Corkweld provides welding rods that harmonise perfectly with the Corklinoleum range.

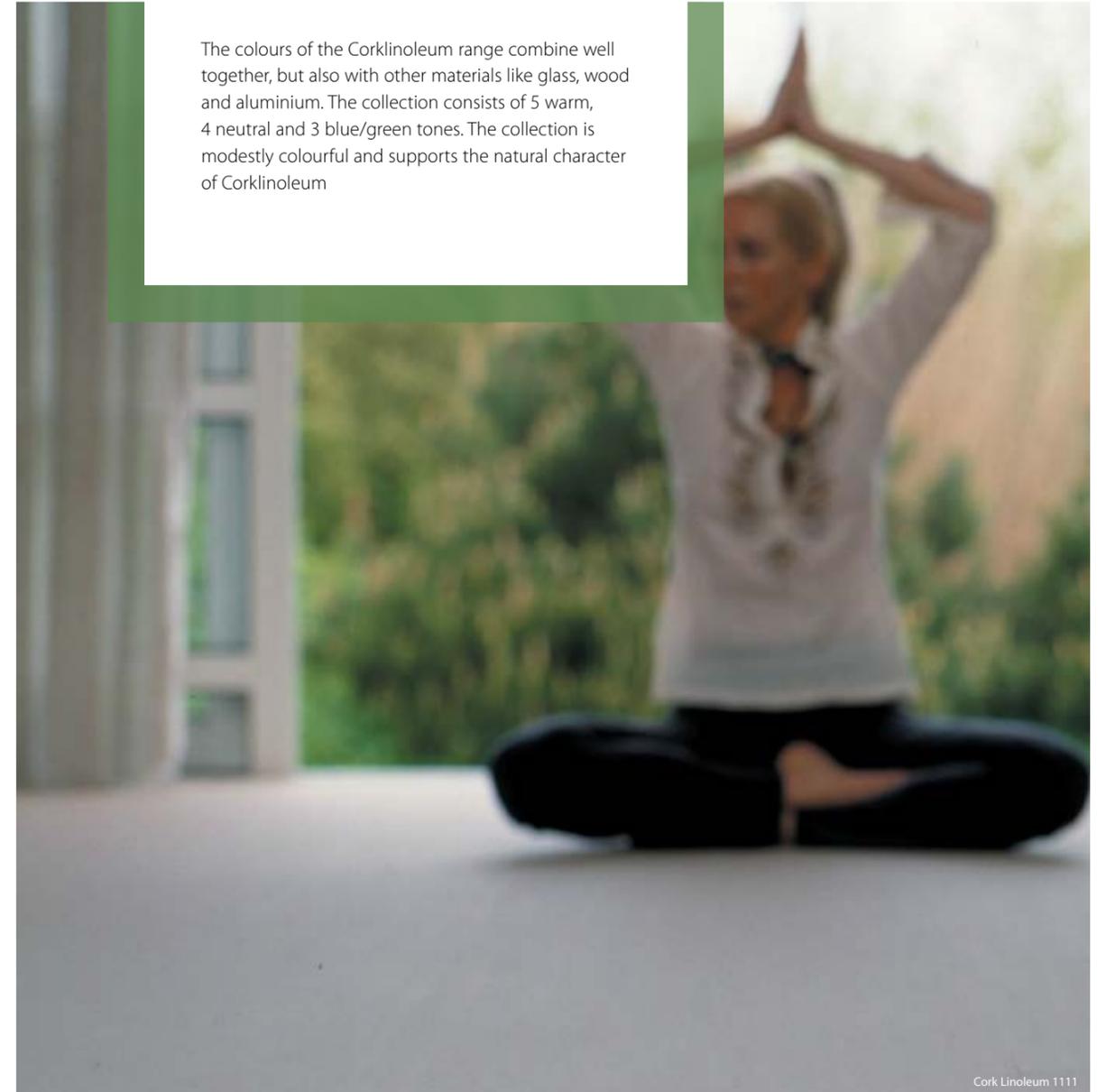


Cork Linoleum 1108

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

cork linoleum®

The colours of the Corklinoleum range combine well together, but also with other materials like glass, wood and aluminium. The collection consists of 5 warm, 4 neutral and 3 blue/green tones. The collection is modestly colourful and supports the natural character of Corklinoleum



Cork Linoleum 1111



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

marmoleum[®] sport

Marmoleum Sport is a specialist sports floorcovering that can be used in all kinds of sports facilities. From children's play areas to multi-purpose training areas and from general sport halls to dedicated sports facilities. Marmoleum Sport exceeds the latest European sport flooring standard EN14904 and the German standard DIN V 18032-2. It also belongs to the category of area-elastic sports floor constructions when used in conjunction with a sprung system and as such minimises the risk of injury due to it spreading the effect of impacts over a larger area. Marmoleum Sport is the only linoleum sport flooring available in both 3.2 mm and 4.0 mm thickness.



	Marmoleum Sport on sprung system	Marmoleum Sport Elastic
Application Area	Area elastic system	Point elastic system
School gyms	•	•
Indoor club sports	•	•
Recreation sports	•	•
Multi-sports facility	•	
Professional sports	•	

Marmoleum sport various colours

Why Marmoleum Sport is the best choice

Unique sports performance

- warm underfoot
- flexible and elastic
- resistant to slipping
- extremely durable
- withstands heavy rolling loads
- cigarette resistant
- no squeaking noises

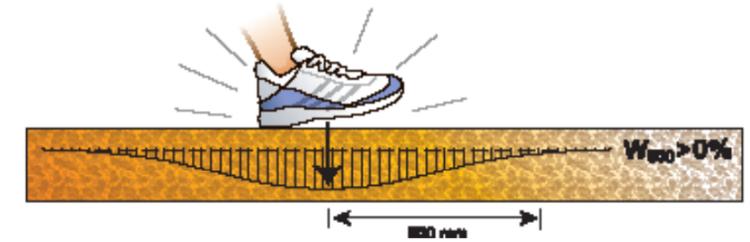
Unique collection

- available in both 3.2 mm and 4.0 mm
- non-directional, marbled design
- 12 colours providing freedom in design
- invisible multicoloured welding

Natural and hygienic

- made from natural raw materials
- permanently bacteriostatic, proven by independent laboratories
- easy to clean and maintain

Marmoleum Sport can be used in two types of sports flooring systems according to EN 14904: area elastic and point deformation.



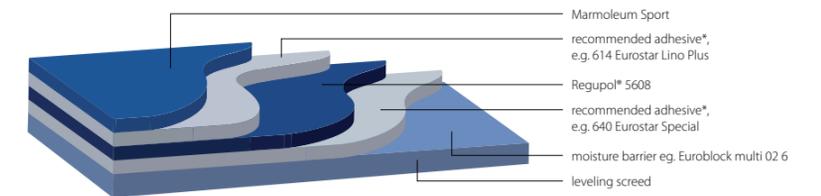
Pressure deformation of an area elastic (type A) sports floor

Area elastic (type A) sports flooring system

Marmoleum Sport is perfect for use in area elastic (sprung) sports floor constructions. Area-elastic floors minimise the risk of injury by spreading the force of an impact over a larger area. The combination of a sprung system with a Marmoleum Sport top layer provides increased force reduction and vertical deformation. This makes it suitable for more demanding sports. The construction of the sprung undercarriage determines the exact performance values. Pressure deformation of an area elastic (type A) sports floor

Point elastic (type P) sports flooring system

Marmoleum Sport can also be used to create point elastic flooring systems. Marmoleum Sport Elastic is a combination of Marmoleum Sport and a high-tech rubber underlay to cushion shocks directly at the point of impact. This helps to reduce the risk of repetitive stress problems associated with hard surfaces. Nor does the weight of the user determine the effectiveness of the cushioning effect, as with area elastic systems. Point elastic systems are therefore ideal for children's play areas and lower impact sports.



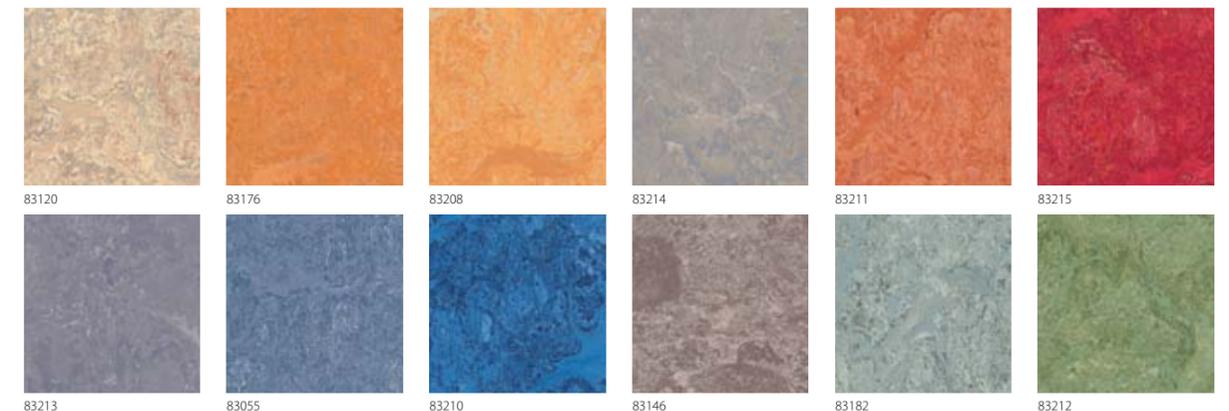
Marmoleum Sport + an advanced rubber underlay = Marmoleum Sport Elastic. Marmoleum Sport Elastic is a point elastic (type P) floor covering that consists of two layers that work together to provide a perfect base for low-impact sports. The 7 mm thick shockpad underfloor is made of recycled rubber and foam particles, bound with polyurethane. The top surface is Marmoleum Sport. The rubber underlay and Marmoleum Sport are installed separately. The underlay can be affixed directly to the subfloor, which makes it a simple and cost effective sports floor system.

marmoleum[®] sport

The 12 colours have been designed based on colour patterns commonly applied in sports halls. The colours can be combined to add accented shapes in the floor for certain sports applications and are dirt concealing.



Marmoleum sport various colours



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Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

authentic collection



Forbo Marmoleum is designed on an install and forget basis – once it's in place, it requires nothing more than simple maintenance to keep it looking good and functioning properly.

Still, some customers need a floor covering that they can "update" periodically, perhaps because of a building extension or the installation, removal or relocation of equipment.

To meet these needs, we offer a selection of colours that are guaranteed to remain available until 2017. This Authentic collection provides long term certainty when planning a series of installations over a particular time.

Authentic consists of a compact, well-balanced colour palette picked from the Marmoleum Real and Fresco palette that provides freedom of design while ensuring long-term matching and consistency. Authentic is available in 24 colours, in 2.5 mm.

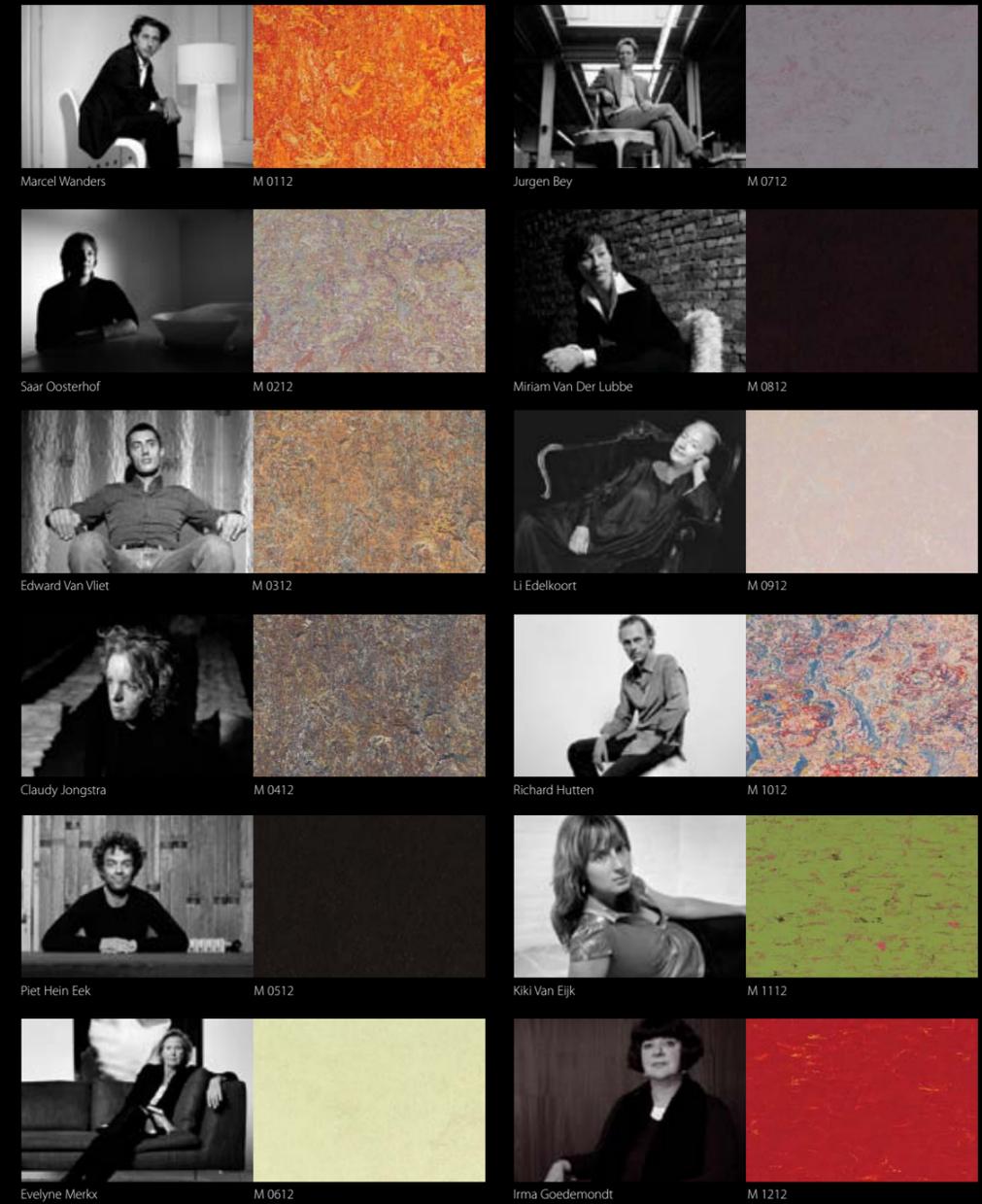
24 colours guaranteed until 2017



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

marmoleum® DUTCHDESIGN

Forbo cooperated closely with 12 Dutch designers to create the Marmoleum Dutch Design collection. A range of Marmoleum floorings developed by twelve Dutch designers. The twelve designers were granted complete artistic freedom. Their inspiration was very personal: a favourite colour, a shade with a great future or a colour missing from the current ranges. The result is 12 unique colourings, 12 designs each telling their own story.



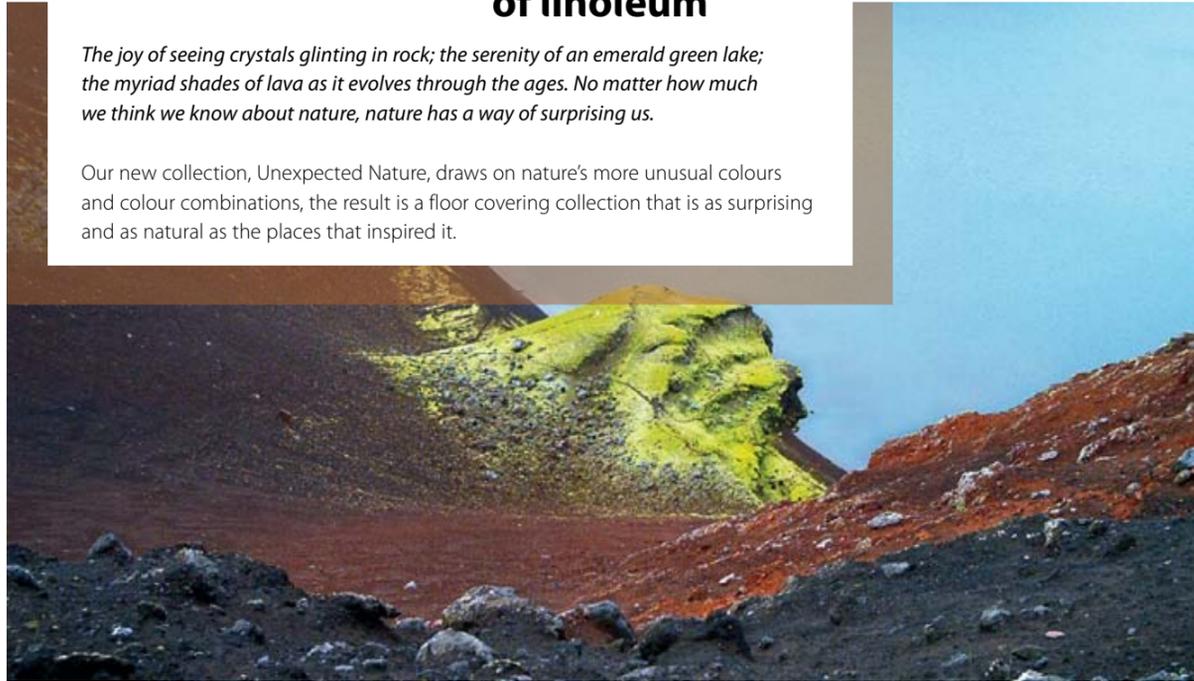
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

the unexpected nature of linoleum



The joy of seeing crystals glinting in rock; the serenity of an emerald green lake; the myriad shades of lava as it evolves through the ages. No matter how much we think we know about nature, nature has a way of surprising us.

Our new collection, Unexpected Nature, draws on nature's more unusual colours and colour combinations, the result is a floor covering collection that is as surprising and as natural as the places that inspired it.



Ljótípallur crater lake, Iceland



North Coyote Buttes, The Wave, Arizona, USA



Shilin stone forest, Yunnan, China



3572 | morning glory

3573 | trace of nature

3574 | muddy flow



3575 | white cliffs

3576 | sliding glacier

3577 | petrified wood



Volcanic activity, Aegean sea



3560 | cherry snow

3561 | vibrating copper

3562 | cosmic red



Glacier, Þökulsárfn Lake, Iceland



3569 | ice rain

3570 | stormy weather

3571 | hide in the forest



Black Canyon, Gunnison river, USA



3563 | frozen autumn

3564 | glistening ochre

3565 | shifting earth



Alcantara Gorge, Sicily, Italy



3566 | silent sulphur

3567 | rustling leaves

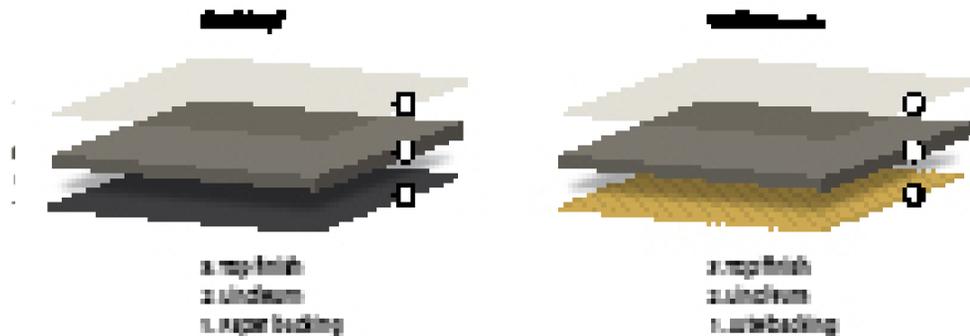
3568 | delta lace

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Linoleum for walls and furniture

The Furniture Linoleum and Bulletin Board collections are linoleum surfaces which have a multitude of application possibilities. Their properties make them ideally suited for use on notice boards, and it provides a functional finish to walls, furniture, door panels and cupboards. Both collections are produced from renewable raw materials.



furniture linoleum

Forbo Furniture Linoleum is the finishing touch for everyone who wants to create breathtaking beautifully designed and functional furniture that will stand out from the crowd while also standing the test of time. A high-quality material with a proven pedigree, Furniture Linoleum is renowned for its elegance and durability and is suitable for countless stunning decorative surfacing applications.

The unique aesthetic and tactile properties of Furniture Linoleum ensure that every object develops its own character. The combination of matt surface and a warm, soft texture are your guarantee for interior furniture with a truly distinctive, genuinely individual look and feel that really is unlike any other surface material available. Furniture Linoleum is available in two distinctive collections.

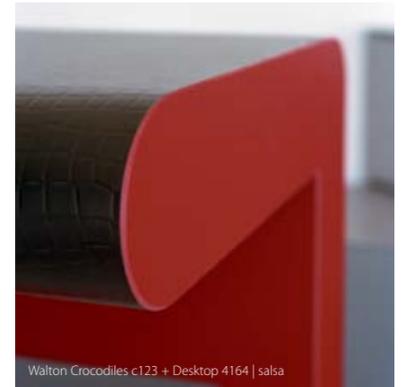
Unique benefits:

For users

- tactile finish
- natural material
- environmentally friendly choice
- improved scratch and stain resistance
- matt surface
- fingerprints don't show
- antistatic
- colours don't fade

For manufacturers:

- flexible
- easy to apply
- suitable for many kinds of substrates
- processes like wood
- coatable
- manual and industrial installation possible



Furniture Linoleum can be finished in countless ways and in combination with a multitude of other materials.



Forbo Furniture Linoleum is widely recognized for its exceptional combination of aesthetic and practical properties and holds numerous prestigious awards including the Red Dot design award, the award for Good Industrial Design and the Interzum award.

Bulletin board®



Bulletin Board is a linoleum surfacing material with exceptional durability that is ideal for use on notice- and pin-board. It provides a functional finish to walls, furniture, door panels and cupboards.

PinArt

Created using Forbo's innovative Bulletin Board, PinArt from Artworks transforms the humble pinboard into a vibrant design led solution. It is easy to use and integrates seamlessly with any working environment. For more information call 0117 9666 331



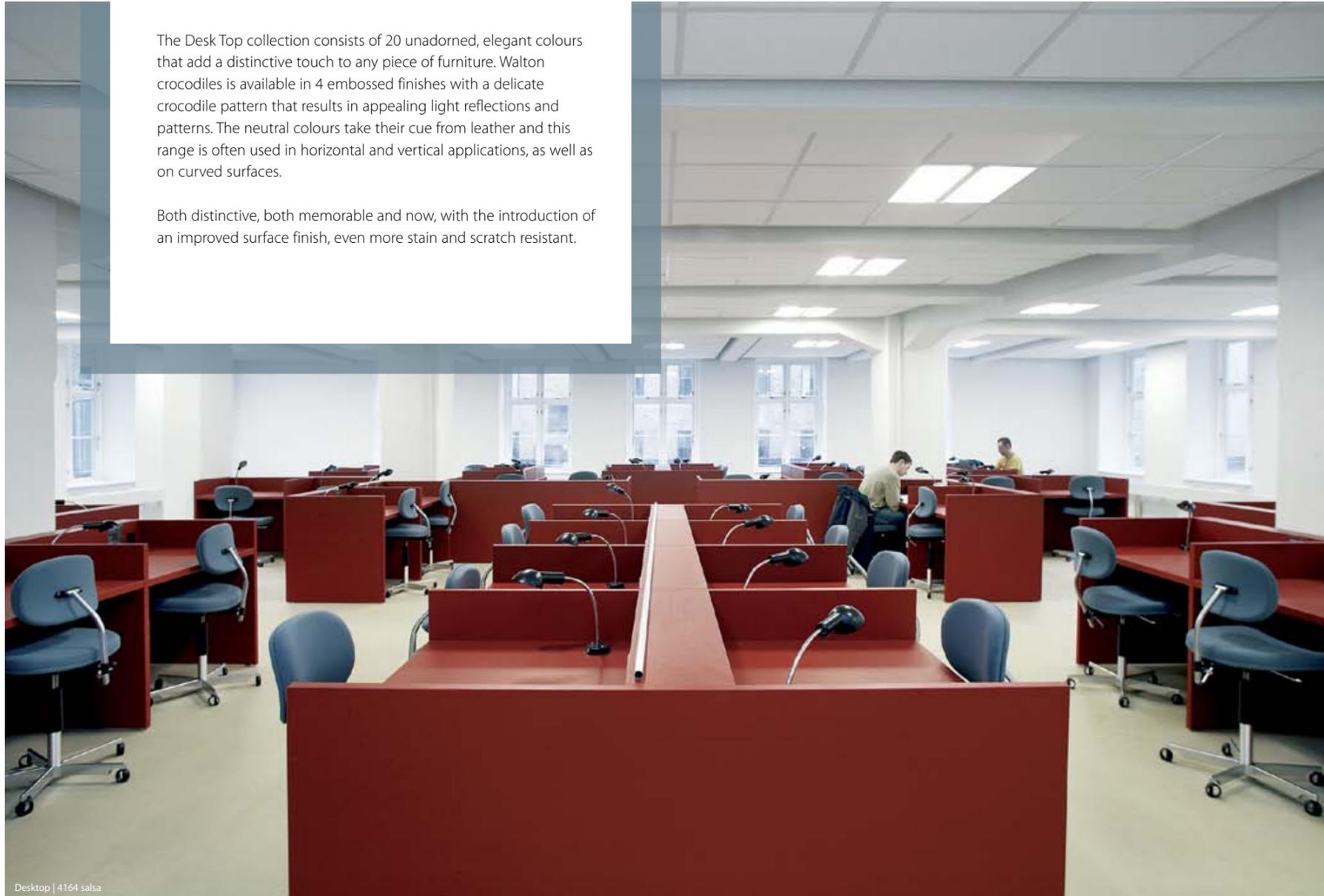
Bulletin Board is applicable wherever people communicate with one another. The strong, durable, resilient properties of Bulletin Board prevent crumbling and loss of grip often associated with traditional materials such as cork or soft board. Bulletin Board is hygienic due to the fact that it does not attract dust and is bacteriostatic.

Bulletin Board can be applied to flat concrete walls, walls with a cement-stabilised plaster finish, gypsum walls, dividing walls and sheet materials such as hardboard, fibreboard, plywood, MDF and HDF. It can be applied to the wall in a vertical or horizontal direction

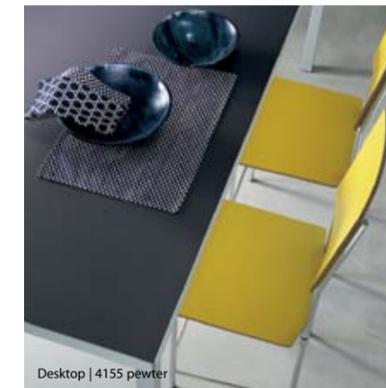
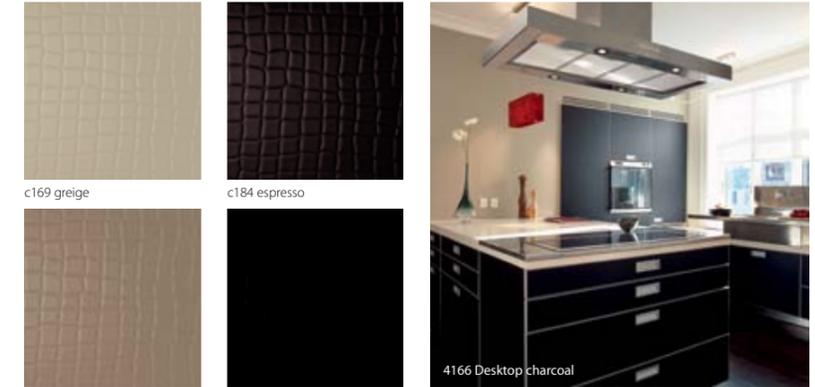
furniture linoleum

The Desk Top collection consists of 20 unadorned, elegant colours that add a distinctive touch to any piece of furniture. Walton crocodiles is available in 4 embossed finishes with a delicate crocodile pattern that results in appealing light reflections and patterns. The neutral colours take their cue from leather and this range is often used in horizontal and vertical applications, as well as on curved surfaces.

Both distinctive, both memorable and now, with the introduction of an improved surface finish, even more stain and scratch resistant.



Desktop | 4164 salsa



walton[®] crocodiles

Walton Crocodiles: four mono-chromatic designs embossed with a delicate crocodile pattern that results in appealing light reflections and patterns. The neutral colours take their cue from leather and this range is often used in horizontal and vertical applications, as well as on curved surfaces. Walton Crocodiles has a jute backing (like Forbo's Marmoleum floor coverings) and is especially suitable for heavy-use surfaces such as counters and baseboards. It can also be combined with floor coverings.



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

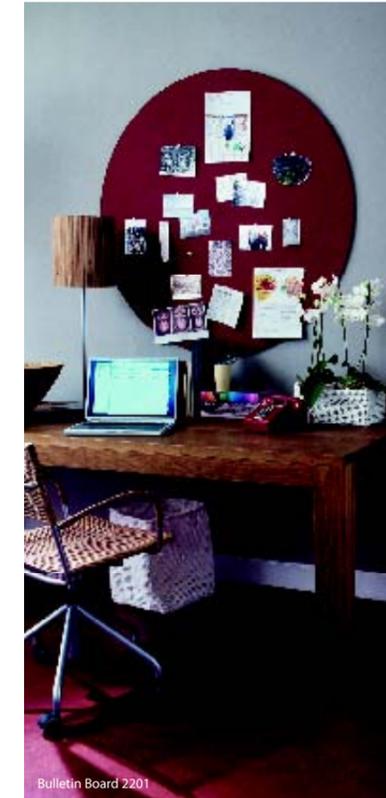
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Bulletin board®

Bulletin Board linoleum surfacing material has a multitude of applications. Its properties make it ideally suited for use as a notice board because of its excellent pin hole recovery. It also provides a functional finish to walls, furniture, door panels and cupboards. The application of Bulletin Board in rooms shared by many people facilitates simple, efficient communication.



Bulletin Board 2204 + Bulletin Board 2205



Bulletin Board 2201



Bulletin Board 2204



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Linoleum technical specifications

marmoleum[®] global 3

Technical specifications

Marmoleum, Artoleum and Walton meet the requirements of EN 548.

Marmoleum Acoustic meets the requirements of EN 687.

Marmoleum Decibel meets the requirements of EN 686.

		Marmoleum Real/Fresco	Marmoleum, Artoleum, Walton*	Marmoleum Real	Marmoleum Real	Marmoleum Decibel	Marmoleum Acoustic
 Total thickness	EN 428	2.0 mm	2.5 mm	3.2 mm	4.0 mm	3.5 mm	4.0 mm
 Domestic: heavy	EN 685	Class 23	Class 23	Class 23	Class 23	Class 23	Class 23
 Commercial: general/heavy/very heavy	EN 685	Class 32	Class 34	Class 34	Class 34	Class 33	Class 33
 Light Industrial: moderate/general/heavy	EN 685	Class 41	Class 42	Class 42	Class 43	Class 41	Class 41
 Roll width	EN 426	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m	2.00 m
 Roll length	EN 426	≤ 32 m	≤ 32 m	≤ 32 m	≤ 32 m	≤ 27 m	≤ 32 m
 Indentation residual	EN 433	0.07 mm**	0.08 mm**	0.10 mm**	0.13 mm**	0.20 mm** (requirem. < 0.30 mm)	0.30 mm** (requirem. < 0.40 mm)
 Castor chair continuous use	EN 425	Suitable for office chairs with castors.					
 Light fastness	ISO 105-B02	Method 3: blue scale minimum 6.					
 Flexibility	EN 435	ø 30 mm	ø 40 mm	ø 50 mm	ø 60 mm	ø 40 mm	ø 60 mm
 Resistance to chemicals	EN 423	Resistant to diluted acids, oils, fats and to conventional solvents. Not resistant to prolonged exposure to alkalis.					
 Bacteriostatic properties		Marmoleum, Artoleum and Walton have natural bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.					
 Cigarette resistance	EN 1399	Marks left on linoleum as a result of stubbed-out cigarettes can be removed.					
 Slip resistance	DIN 51130	R9	R9	R9	R9	R9	R9
 Acoustical impact sound reduction	EN ISO 717-2	≤ 4 dB	≤ 5 dB	≤ 6 dB	≤ 7 dB	17 dB	14 dB
 Electrical resistance Marmoleum Ohmex	EN 1081	-	1-10 ⁶ < R1 < 1-10 ⁸ Ω - static dissipative	-	-	-	-
 Life Cycle Assessment		LCA is the foundation for securing the lowest environmental impact.					

Additional specifications Marmoleum Dual tiles (2.5 mm)

 Dimensions (length x width)	EN 427	33.3 cm x 33.3 cm	50 cm x 50 cm
 Dimensional stability	EN 434	≤ 0.25 %	≤ 0.35 %

Marmoleum, Artoleum and Walton meet the requirements of EN 14041



 Reaction to fire	EN 13501-1	C _{fl} -s1
 Slip resistance	EN 13893	DS: ≥ 0.30
 Body voltage	EN 1815	< 2 kV
 Thermal conductivity	EN 12524	0.17 W/m-K

* Marmoleum Real/Vivace/Fresco/Dual tiles/Ohmex, Artoleum Graphic/Scala/Piano/Mineral/Striato and Walton Uni/Cirrus/Crocodiles

** Typical value

touch

Technical specifications

Touch meets the requirements of EN 548

		duet	solo
	Total Thickness	EN 428 2.5 mm	2.5 mm
	Collection size	12	6
	Domestic heavy	EN 685 Class 23	Class 23
	Commercial heavy	EN 685 Class 33	Class 33
	Roll width	EN 426 2.00 m	2.00 m
	Roll length	EN 426 ≤ 32 m	≤ 32 m
	Indentation-residual	EN 433 0.08 mm*	0.12 mm*
	Castor chair continuous use	EN 425	Suitable for office chairs with castors.
	Light fastness	ISO 105-B02	Method 3: blue scale minimum 6.
	Flexibility	EN 435	∅ 20 mm ∅ 25 mm
	Resistance to chemicals	EN 423	Resistant to diluted acids, oils, fats and to the conventional solvents such as alcohol, white spirit, etc. Not resistant to prolonged exposure to alkalis.
	Slip resistance	DIN 51130	R10 R10
	Acoustical impact noise reduction	EN ISO 717-2	≥ 7 dB ≥ 10 dB
	Ambient sound	NF S 31-053	Lnew 72 dB Lnew 69 dB
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact	

Touch meets the requirements of EN 14041



	Reaction to fire	EN 13501-1	C _{fl} s1	C _{fl} s1
	Slip resistance	EN 13893	DS: ≥ 0.30	DS: ≥ 0.30
	Body voltage	EN 1815	< 2 kV	< 2 kV
	Thermal conductivity	EN 126667	0.012 W/m.K	0.012 W/m.K

*Typical value

The above information is subject to modifications for the benefit of further improvements.

cork linoleum®

Technical specifications

Cork linoleum meets the requirements of EN 688

	Thickness	4.5 mm	
	Classification	EN 685	
	Class	22	
	Class	31	
	Collection size	12	
	Roll width	EN 426 2.00 m	
	Roll length	EN 426 ≤ 32 m	
	Static charge	EN 1815	< 2 kV
	Fire rating	EN 13501-1	D _s s1
	Impact sound reduction	EN ISO 717-2	14 dB
	Thermal conductivity	EN 12524	0.10 W/m.K
	Residual indentation	EN 433	± 0.35 mm
	Colour fastness	ISO 105-B02	Method 3: blue scale minimum 6.
	Chemical resistance	EN 423	Resistant to diluted acids, oils, fats and to the conventional solvents such as alcohol, white spirit, etc. Not resistant to prolonged exposure to alkalis.
	Flexibility	EN 435	∅ 40 mm
	Bacteriostatic properties	Marmoleum has bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.	
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.	

The above information is subject to modifications for the benefit of further improvements.

marmoleum[®] sport

Technical specifications

Marmoleum sport meets the requirements of EN 548



	Thickness	3.2 mm	4.0 mm
Application areas	DIN 108032, part 2		
	Light reflection	≥ 0.20	≥ 0.20
	Friction coefficient	0.5 - 0.7	0.5 - 0.7
	Collection size	8	8
Roll width	EN 426	2.00 m	2.00 m
Roll length	EN 426	ca. 28 m	ca. 28 m
Static charge	EN 1815	< 2 kV	< 2 kV
Fire rating	DIN 4102-1/EN 13501-1	C _i s1	C _i s1
Impact sound reduction	EN ISO 717-2	≤ 6 dB	≤ 6 dB
Residual indentation	EN 433	max. 0.15 mm	max. 0.20 mm
Colour fastness	ISO 105-B02	Method 3: blue scale minimum 6. Depending on the colour, the colour fastness is usually higher, often being 8 (blue scale maximum is 8).	
Chemical resistance	EN 423	Resistant to diluted acids, oils, fats and to the conventional solvents such as alcohol, white spirit, etc. Not resistant to prolonged exposure to alkalis.	
Bacteriostatic properties		Marmoleum sport has bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.	
Flexibility	EN 435	ø 50 mm	ø 60 mm
Cigarette resistance	EN 1399	Marks left on linoleum as a result of stubbed-out cigarettes can be easily removed. Sandpaper gently and apply a new coat of polish. Linoleum does not melt.	
LCA	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.	

The above information is subject to modifications for the benefit of further improvements.

marmoleum[®] DUTCHDESIGN



EN 14041



Reaction to fire	EN 13501-1	C _i s1
Slip resistance	EN 13893	DS: ≥ 0.30
Body voltage	EN 1815	< 2 kV
Thermal conductivity	EN 12524	0.17 W/m-K

Marmoleum meets the requirements of EN 548

Total thickness	EN 428	2.5 mm
Domestic heavy	EN 685	Class 23
Commercial very heavy	EN 685	Class 34
Industrial general	EN 685	Class 42
Collection size		12 designs
Roll width	EN 426	2.00 m
Roll length	EN 426	≤ 32 m
Slip resistance	DIN 51130	R9
Acoustical impact noise reduction	EN ISO 717-2	≤ 5 dB
Castor chair continuous	EN 425	✓
Indentation-residual	EN 433	0.08 mm, typical value
Light fastness	ISO 105-B02	✓
Resistance to chemicals	EN 423	✓
Bacteriostatic properties		✓
Flexibility	EN 435	ø 40 mm
Cigarette resistance	EN 1399	✓
LCA	Life Cycle Assessment	✓

the unexpected nature of linoleum

Technical specifications

Marmoleum and Artoleum meet the requirements of ISO 24011 and EN 548

Marmoleum and Artoleum			
	Total thickness	ISO 24346	2.5 mm
	Domestic: heavy	ISO 10874 EN 685	Class 23
	Commercial: very heavy	ISO 10874 EN 685	Class 34
	Industrial: general	ISO 10874 EN 685	Class 42
	Roll width	ISO 24341	2.00 m
	Roll length	ISO 24341	≤ 32 m
	Indentation residual	ISO 24343-1	≤ 0.15 mm
	Castor chair continuous use	ISO 4918	Suitable for office chairs with castors.
	Light fastness	ISO 105-B02	Method 3: blue scale minimum 6.
	Flexibility	ISO 24344	ø 40 mm
	Resistance to chemicals	ISO 26987	Resistant to diluted acids, oils, fats and to the conventional solvents. Not resistant to prolonged exposure to alkalis.
	Bacteriostatic properties	Marmoleum and Artoleum have by nature bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA.	
	Cigarette resistance	EN 1399	Marks left on Linoleum as a result of stubbed-out cigarettes can be easily removed. Sandpaper gently and apply a new coat of polish. Linoleum does not melt.
	Slip resistance	DIN 51130	R9
	Acoustical impact noise reduction	EN ISO 717-2	≤ 5 dB
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact.	

Marmoleum and Artoleum meet the requirements of EN 14041



	Reaction to fire	EN 13501-1	C _f -s1
	Slip resistance	EN 13893	DS: ≥ 0.30
	Body voltage	EN 1815	< 2 kV
	Thermal conductivity	EN 12524	0.17 W/m·K

furniture linoleum

Technical specifications

Desktop meets the requirements of EN 688

Walton Crocodiles meets the requirements of EN 548

		desktop®	walton crocodiles	
	Total Thickness	EN 428	2.0 mm	2.5 mm
	Collection size		20	4
	Roll width	EN 426	1.83 m	2.00 m
	Roll length	EN 426	≤ 30 m	≤ 32 m
	Total weight	EN 430	2.1 kg/m ²	2.9 kg/m ²
	Indentation-residual	EN 433	< 0.20 mm	0.08 mm*
	Light fastness	ISO 105-B02	Method 3: blue scale minimum 6.	
	Gloss level	ISO 2813	< 5	8*
	Resistance to chemicals	EN 423	Resistant to diluted acids, oils, fats and to the conventional solvents such as alcohol, white spirit, etc. Not resistant to prolonged exposure to alkalis.	
	Flexibility	EN 435	ø 50 mm	
	Heat resistance	EN 433	70 °C	
	Life Cycle Assessment	LCA is the foundation for securing the lowest environmental impact		

* Typical value

Desktop meets the requirements of EN 14041



	Body voltage	EN 1815	< 2 kV	< 2 kV
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The above information is subject to modifications for the benefit of further improvements.

bulletin board®

Technical specifications

	Collection size		12
	Total thickness	EN 649	6.0 mm
	Roll width	EN 426	1.22 m (6 items available in 1.83 m)
	Roll length	EN 426	approximately 28 m
	Weight	EN 430	5.4 kg/m ²
	Chemical resistance	EN 423	Resistant to diluted acids, oils and the most conventional solvents such as alcohol, white spirit, etc. Not resistant to prolonged exposure to alkalis.
	Bacteriostatic properties	Linoleum has bacteriostatic properties.	

The above information is subject to modifications for the benefit of further improvements.

project vinyl

Forbo has almost 50 years experience in manufacturing PVC and Forbo is a major player in the resilient flooring market. The extensive collection of project vinyl offers a number of ranges that reflect the breadth of our design portfolio and the quality of our production while class leading performance characteristics are given by the low maintenance, stain resistant PUR Pearl finish.

Forbo is a founder member of Vinyl 2010, whose goal is to increase PVC recycling in Europe and All Forbo's project vinyl ranges meet the European air quality requirements as defined by AGBB Dibt.



BREEAM ratings

Compact Vinyl Heterogeneous PVC floor coverings (EN649)

Building Type Commercial	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
A	A+	A+	A	A+	A+	-

The project vinyl portfolio contains 5 main groups:

General purpose:

- Compact heterogeneous vinyl
- Broad range of commercial applications
- Developed for high-traffic areas (class 34/43)
- Global ranges are all protected by PUR Pearl™ for superior long-lasting performance. High scratch & scuff resistance, R10
- Recycled content on average 25%

Design vinyl tiles

- Designed to make a statement in high visual impact areas such as retail, leisure and hospitality
- Exclusive designs, innovative textures, authentic finishes, distinctive touches
- Heavy loose-lay tiles for seamless floors
- Homogeneous high-density tiles with PUR protection
- Suitable for renovation projects, raised floors and for a variety of other applications like offices, retail, leisure

Safety

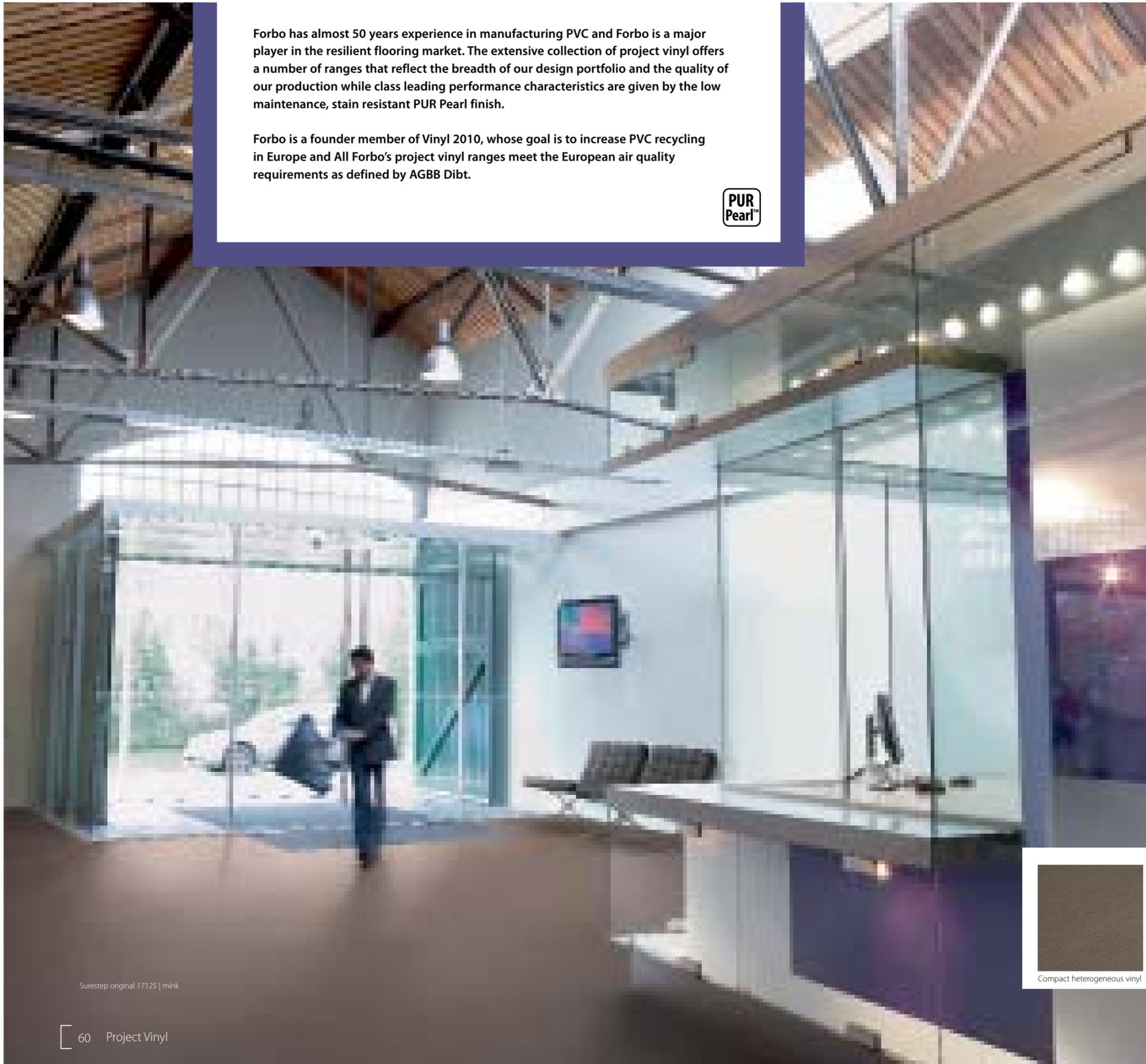
- Heterogeneous vinyl
- Wide choice of slip resistance ratings
- For example kitchens, wetrooms, hospitals, factories
- SureStep PUR also for general purpose areas
- Quartz Carborundum for long life performance
- Recycled content on average 25%

Acoustic

- Heterogeneous vinyl
- Several ratings of impact sound reduction
- Large choice in designs and colours
- For heavy duty traffic areas, like airports, train stations, schools, hospitals

ESD flooring

- Homogeneous extreme high-density tiles with various grades in conductive properties
- Outstanding constant performance under high traffic conditions
- All applications which require high performance electrical properties, like healthcare and (high-tech)industry



Surestep original 17125 | mink



Compact heterogeneous vinyl



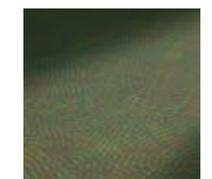
Design vinyl tiles



ESD

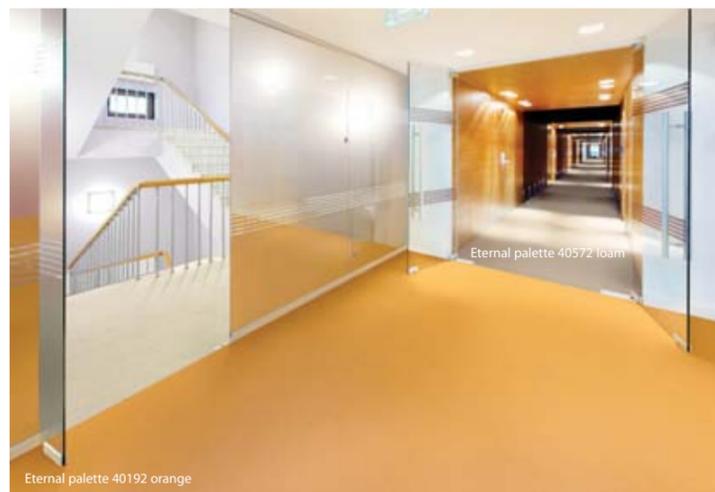


Safety



Acoustic

Eternal project vinyl; extraordinary design and exceptional performance



Distinctive in every application

More than ever before, when you turn to the new Forbo Eternal general purpose vinyl collection you'll discover a superb combination of state of the art designs in a strong, durable, fit-for-purpose range – whatever your application.

The collection presents a balanced range of wood, stone and abstract designs, alongside a comprehensive, modern colour palette sure to complement your interior designs.

When you're looking for a flooring solution, you'll find the Eternal collection offers you balance between looks and performance. Whether you're an architect or interior designer looking for a distinctive design, or a facilities manager or contractor seeking a functional solution, the design elements of the Eternal collection can be blended together to achieve the perfect end result.

Authenticity

For the new Eternal collection, Forbo's design team has developed convincing, authentic visuals with a unique identity and a natural feel. Eternal's high tech PVC wear layer and PUR Pearl finish are key to the collection's ability to keep its as-new appearance even after years of intensive use.

A well known brand

The Forbo Flooring Eternal brand has become synonymous with assured and guaranteed quality. The brand's performance benefits are clearly recognisable in many installations worldwide.

A balanced collection

Extraordinary design and exceptional performance – it's a promise fulfilled across every area of the collection:

- Functionality which goes hand in hand with visual appeal
- Accessible design that's easy to apply
- Wide colour ranges, from soft tones to accent colours – and everything in between
- Outstanding performance in every way
- Mix and match together with current popular interior finishes

BREEAM ratings

Compact Vinyl Heterogeneous PVC floor coverings (EN649)

Building Type	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
Commercial	A+	A+	A	A+	A+	-

Balance wherever you want it

From the spills and tumbles of a nursery through to the large scale thoroughfares in a modern university, there is a common need for attractive, functional products. Eternal has the performance and product properties to satisfy such a diverse range of needs.

Education

Bright, stimulating colours contribute to good learning environments. While contrasting colours can help designate different parts of the classroom, libraries or study halls.



Healthcare

A healing environment needs appealing flooring that adapts to its surroundings. The caring and soothing characteristics of healthcare interiors were kept in mind during the design process and Eternal's PUR Pearl easy-to-clean, stain resistant low maintenance surface fits the demanding cleaning regime essential in this segment.



Retail, leisure and hospitality

All application areas here benefit from a flooring solution with an identity. The floor can be used to communicate branding or maybe zoning within the location.



Offices

Today offices feature a more relaxed and welcoming feel, to create equilibrium between thought and inspiration. The Eternal range excels in helping you achieve this. By mixing and matching, it enables you to create balanced zoning with functional and aesthetic flooring especially in more practical areas.

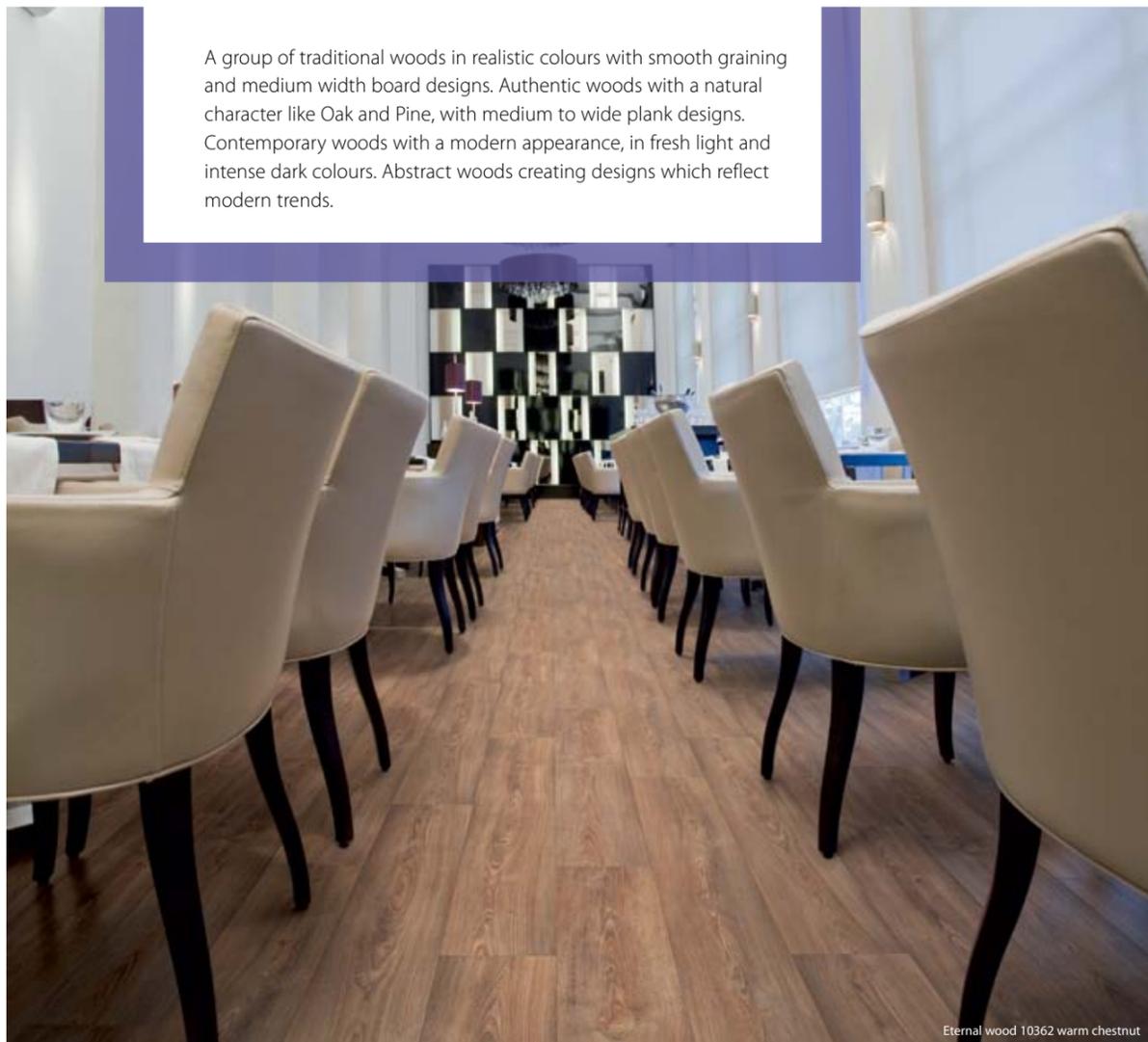


Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal wood



A group of traditional woods in realistic colours with smooth graining and medium width board designs. Authentic woods with a natural character like Oak and Pine, with medium to wide plank designs. Contemporary woods with a modern appearance, in fresh light and intense dark colours. Abstract woods creating designs which reflect modern trends.



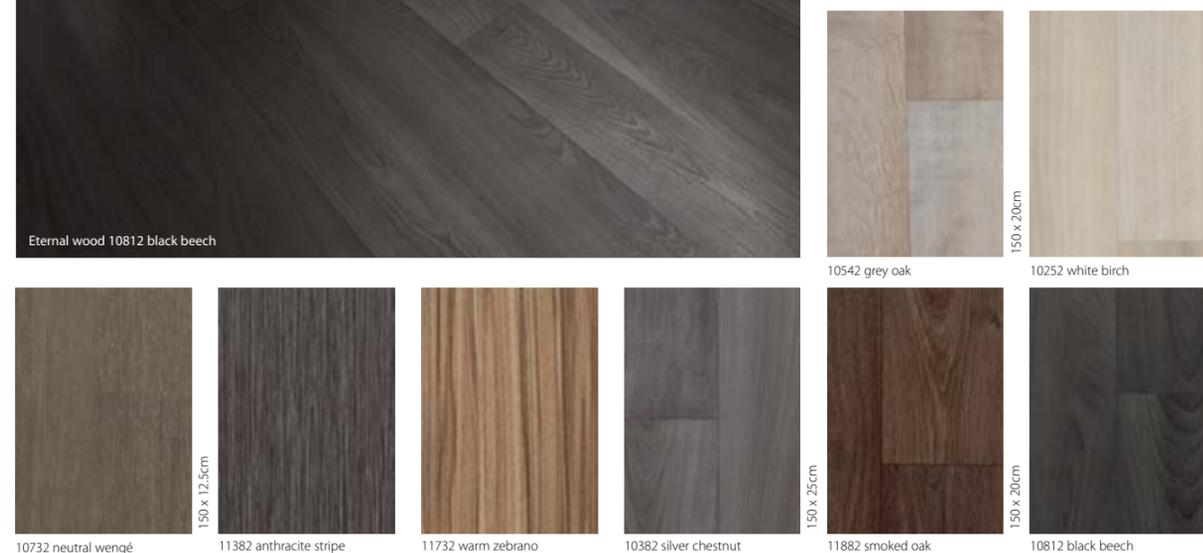
Eternal wood 10362 warm chestnut



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



Eternal wood 10812 black beech



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal concrete



A contemporary concrete with a subtle satin look in four natural warm and four neutral grey tones.



Eternal concrete 13022 beton



13012 neutral



13022 beton



13082 gravel



13032 anthracite



13072 umber



13062 silt



13052 mud



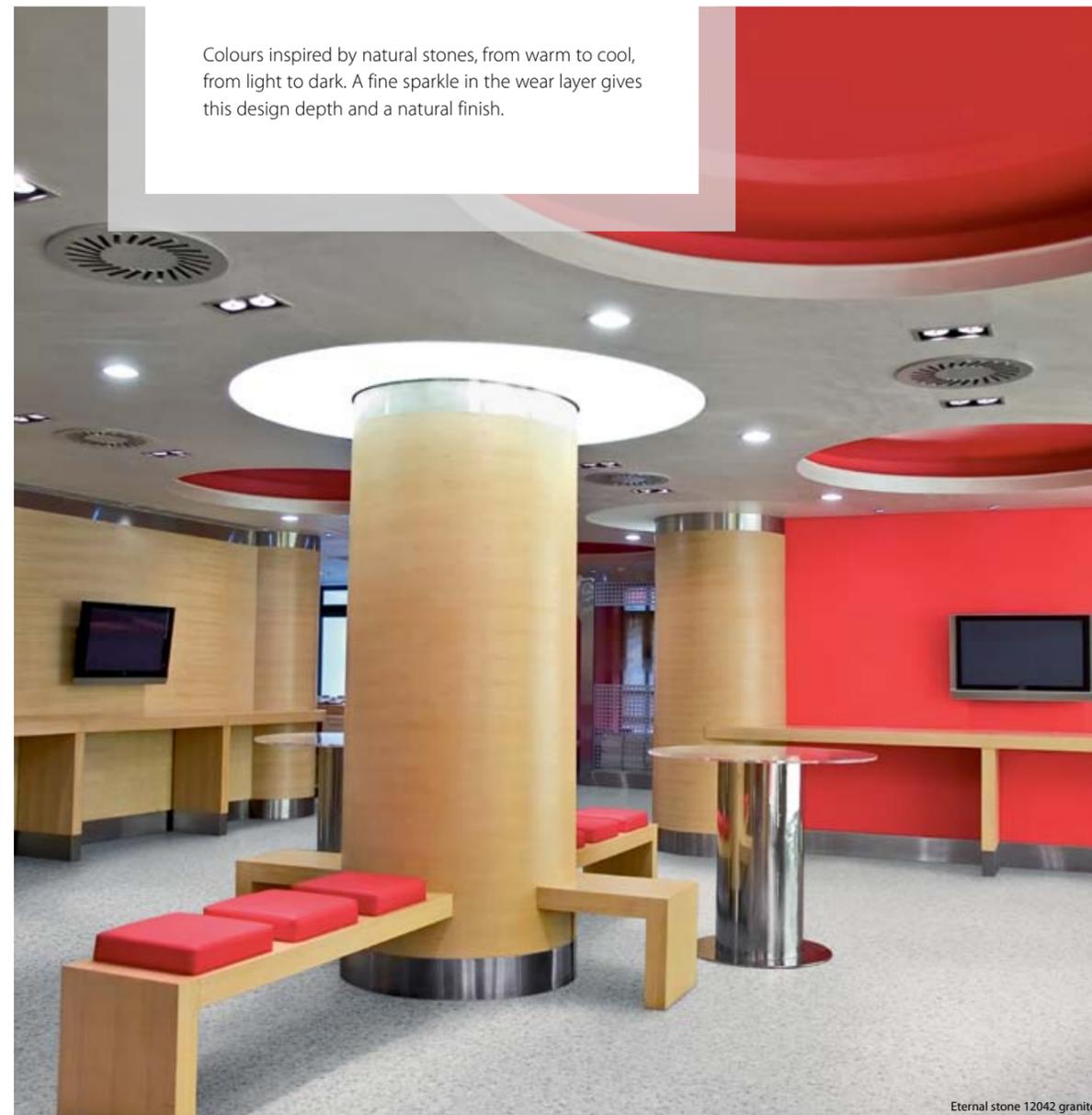
13042 dune

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal stone



Colours inspired by natural stones, from warm to cool, from light to dark. A fine sparkle in the wear layer gives this design depth and a natural finish.



Eternal stone 12042 granite



12022 chalk



12042 granite



12262 mineral



12292 pebble



12272 cobble



12012 quartz



12282 flint



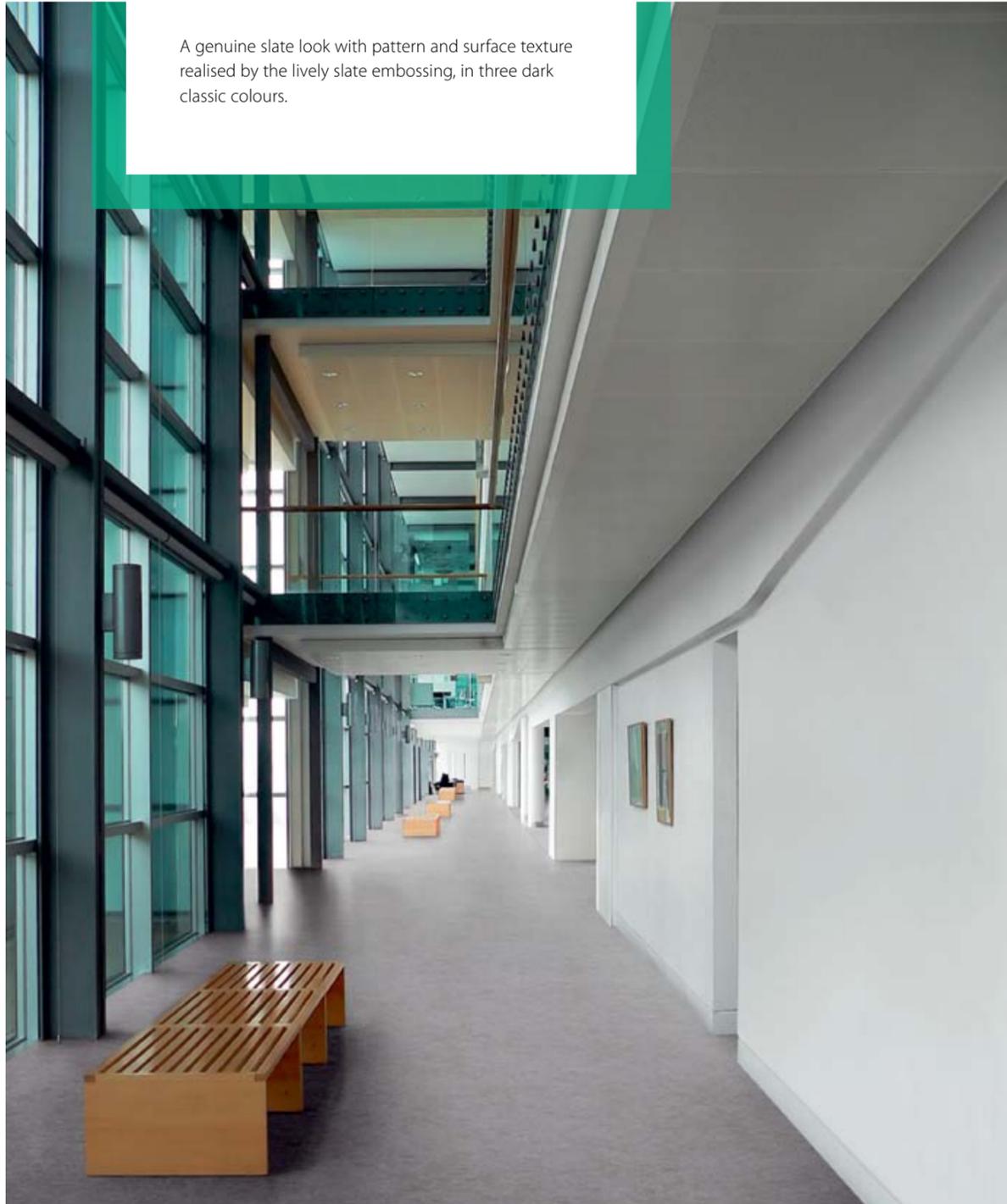
12032 coal

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal slate



A genuine slate look with pattern and surface texture realised by the lively slate embossing, in three dark classic colours.



Eternal slate 13582 silver



13582 silver

13572 navy

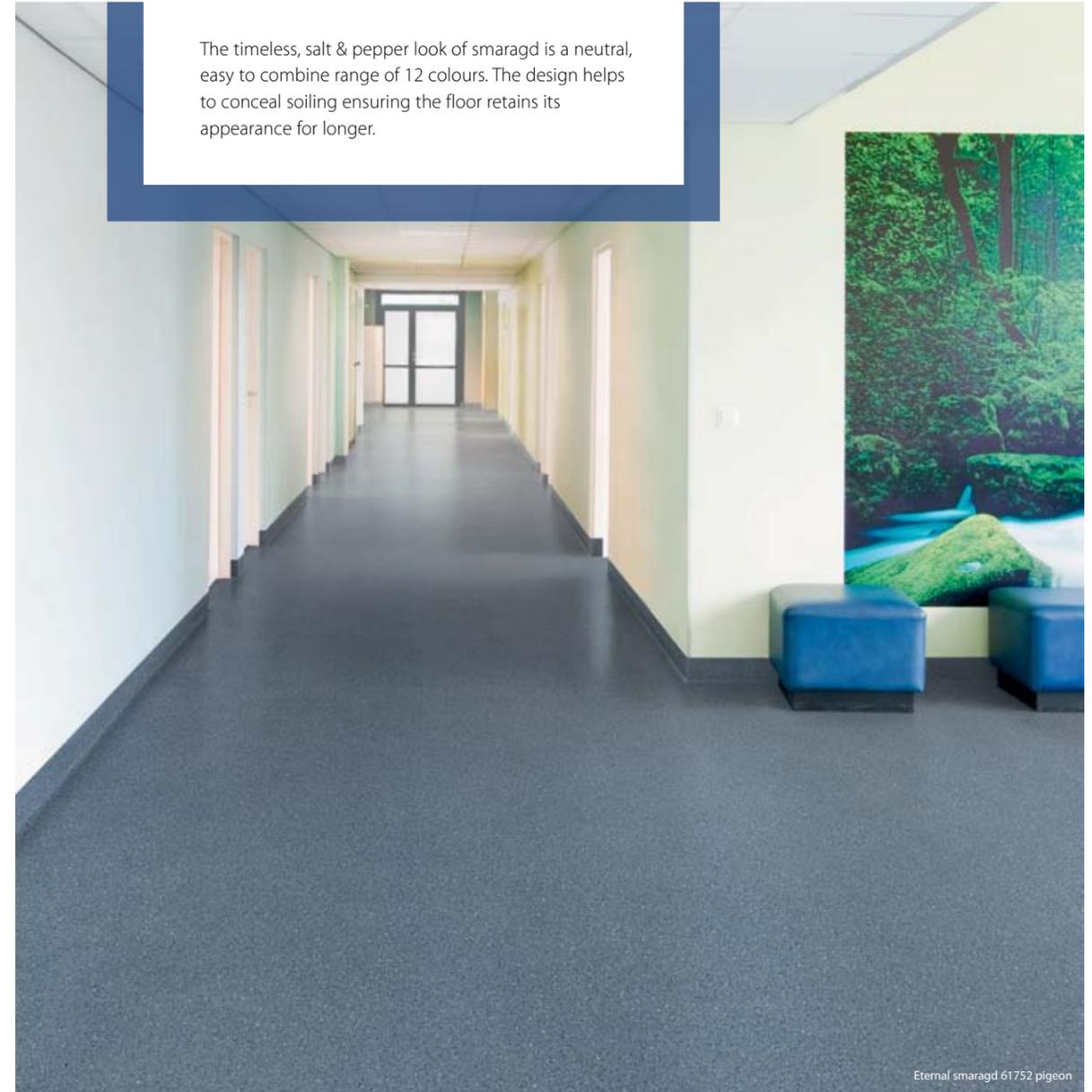
13562 black

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

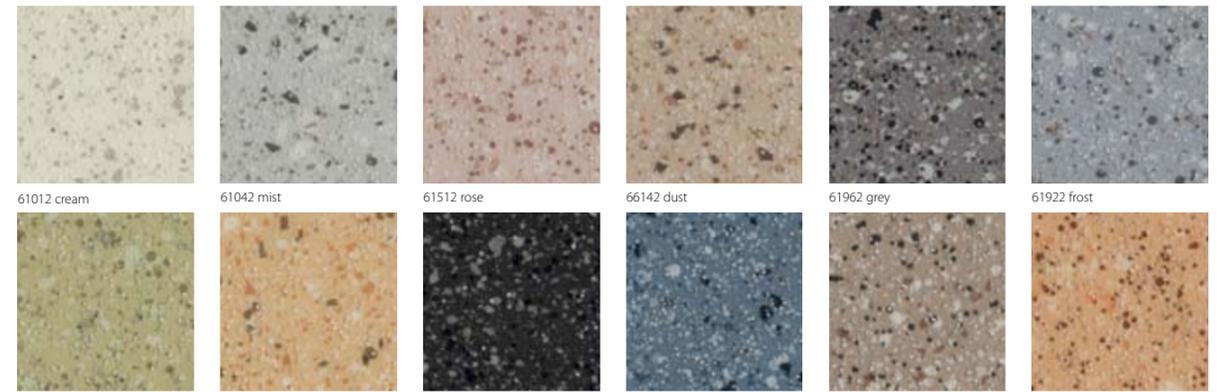
eternal smaragd



The timeless, salt & pepper look of smaragd is a neutral, easy to combine range of 12 colours. The design helps to conceal soiling ensuring the floor retains its appearance for longer.



Eternal smaragd 61752 pigeon



61012 cream

61042 mist

61512 rose

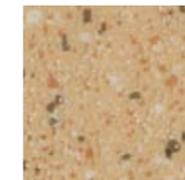
66142 dust

61962 grey

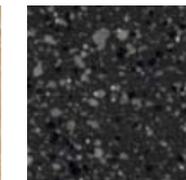
61922 frost



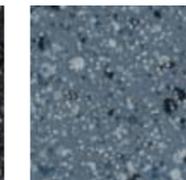
61832 herb



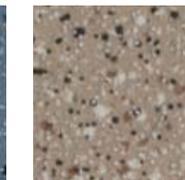
61302 ochre



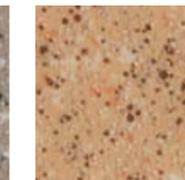
61032 nero



61752 pigeon



61222 greige



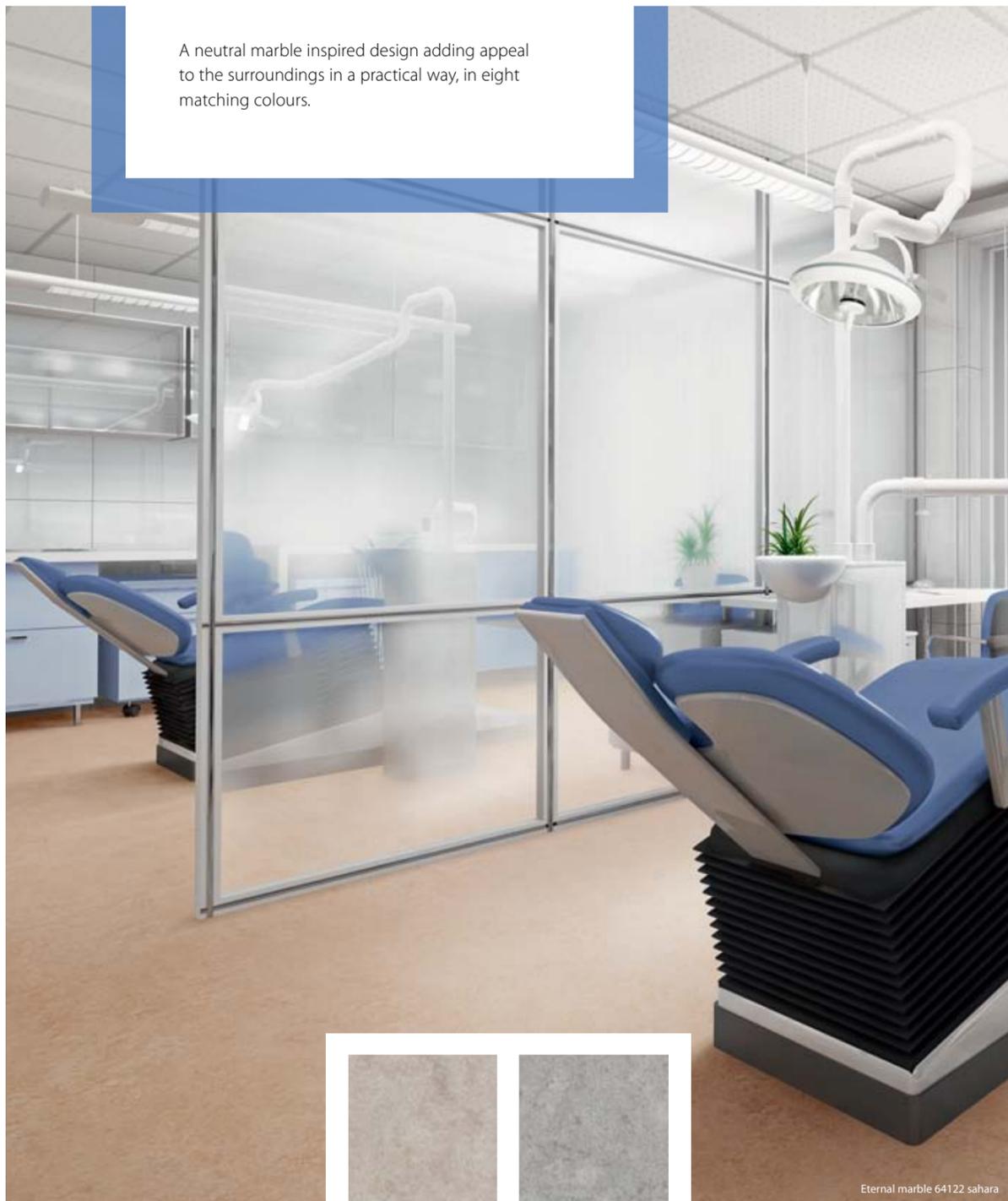
61342 peach

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal marble



A neutral marble inspired design adding appeal to the surroundings in a practical way, in eight matching colours.



64002 feather

64032 cloud

Eternal marble 64122 sahara



64122 sahara



64822 moss



64092 leather



64932 dove



64362 camel



64972 ash

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal sand



A subtle all-over design with a natural look in eight stylish colours, with a matching satin finish.



Eternal sand 13862 teal



13822 smoke



13842 cork



13852 soil



13872 terra



13892 aubergine



13882 sepi



13862 teal



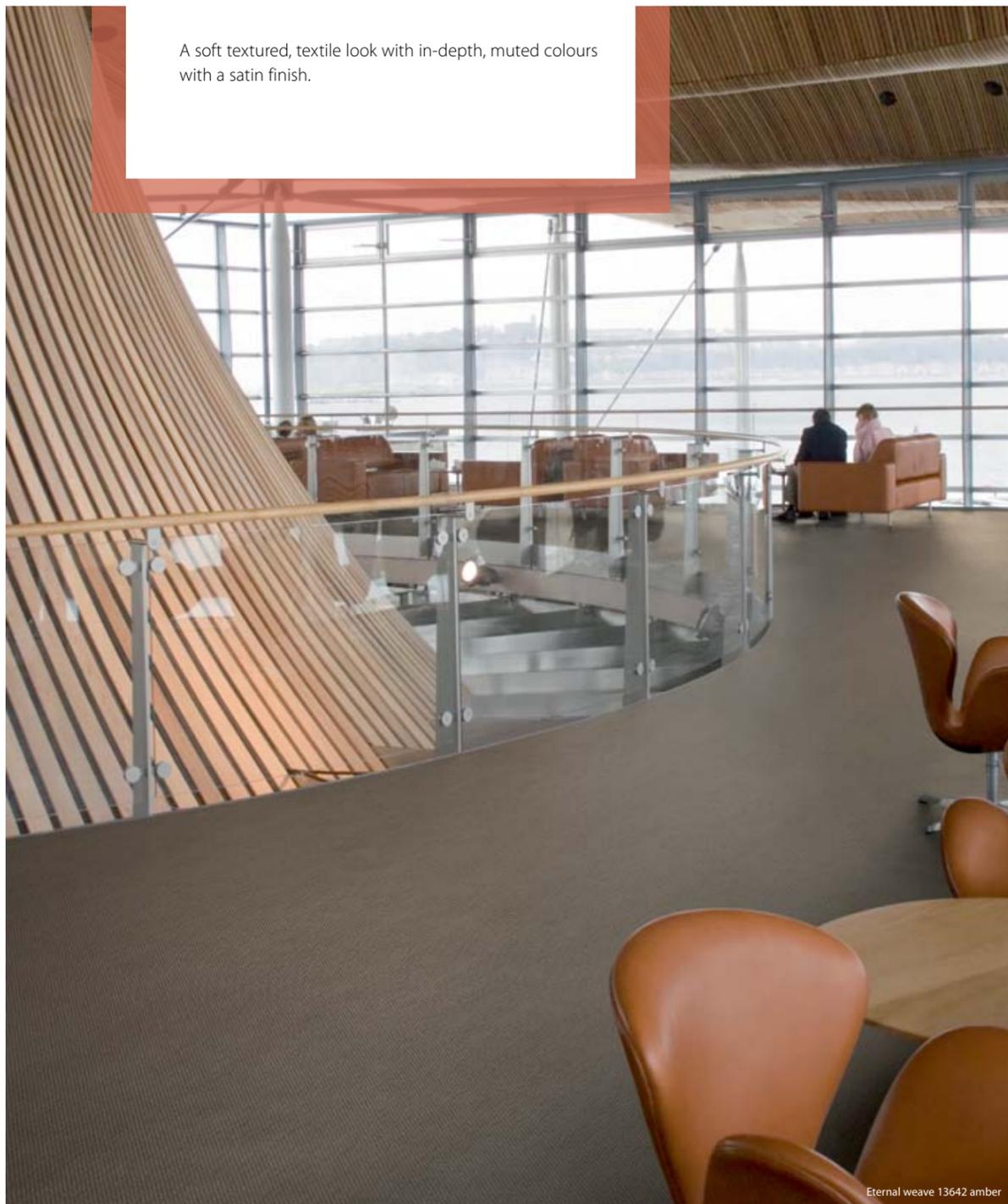
13832 linen

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal weave



A soft textured, textile look with in-depth, muted colours with a satin finish.



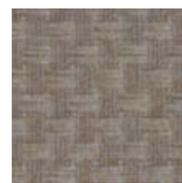
13662 indigo



13622 graphite



13652 iron



13632 cord



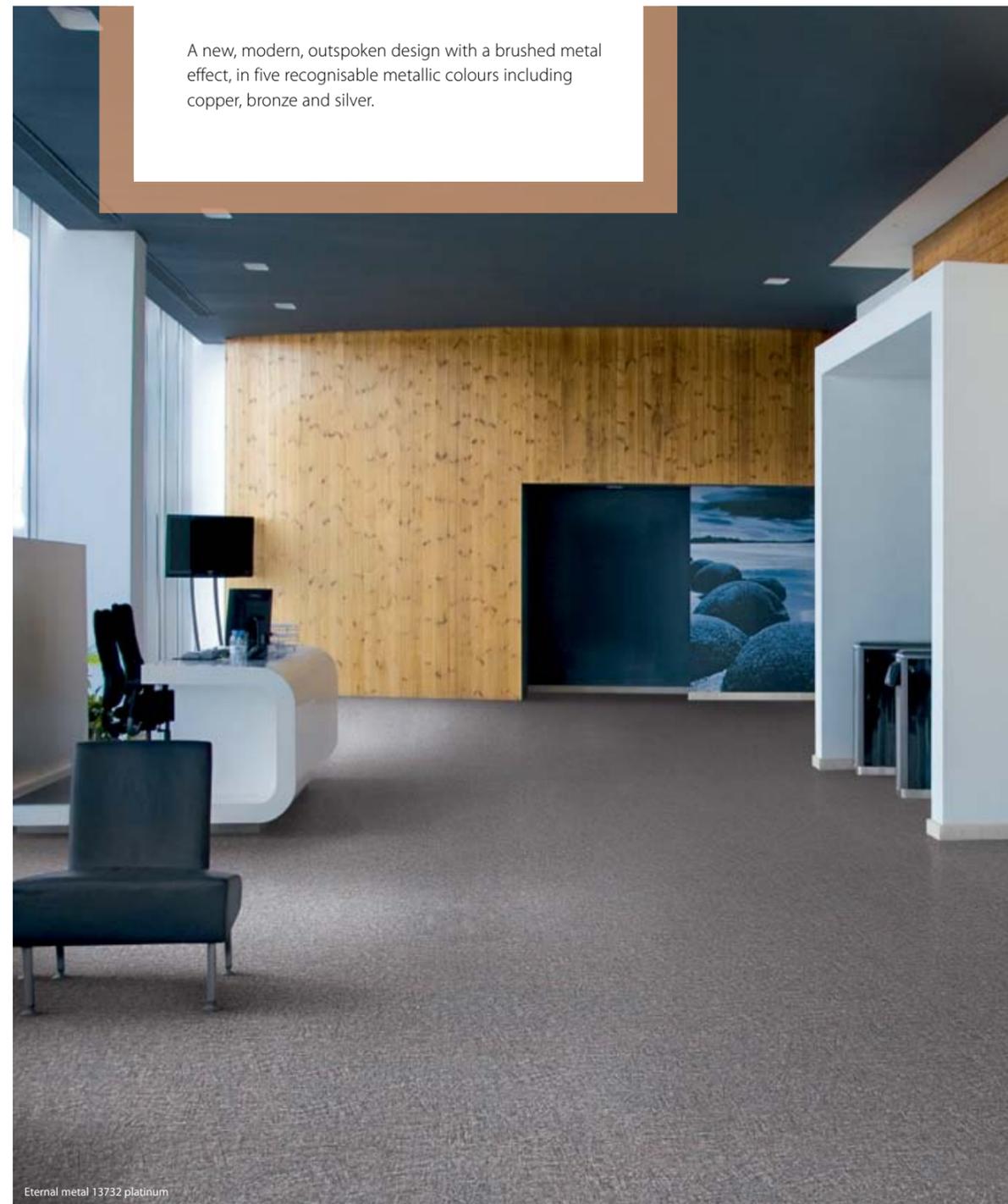
13642 amber

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal metal



A new, modern, outspoken design with a brushed metal effect, in five recognisable metallic colours including copper, bronze and silver.



13712 chrome



13722 pewter



13732 platinum



13742 copper



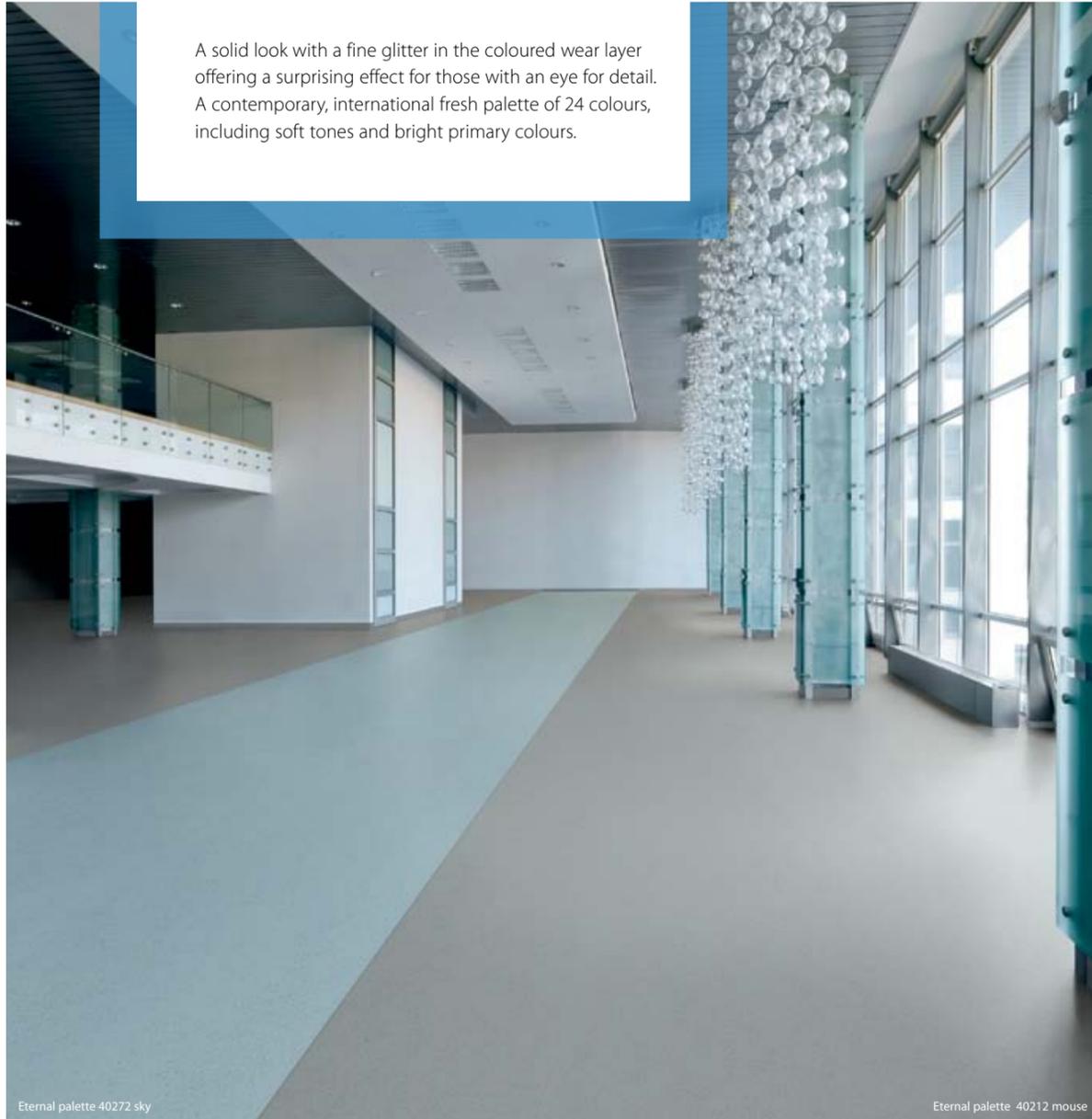
13752 bronze

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal palette



A solid look with a fine glitter in the coloured wear layer offering a surprising effect for those with an eye for detail. A contemporary, international fresh palette of 24 colours, including soft tones and bright primary colours.



Eternal palette 40272 sky

Eternal palette 40212 mouse

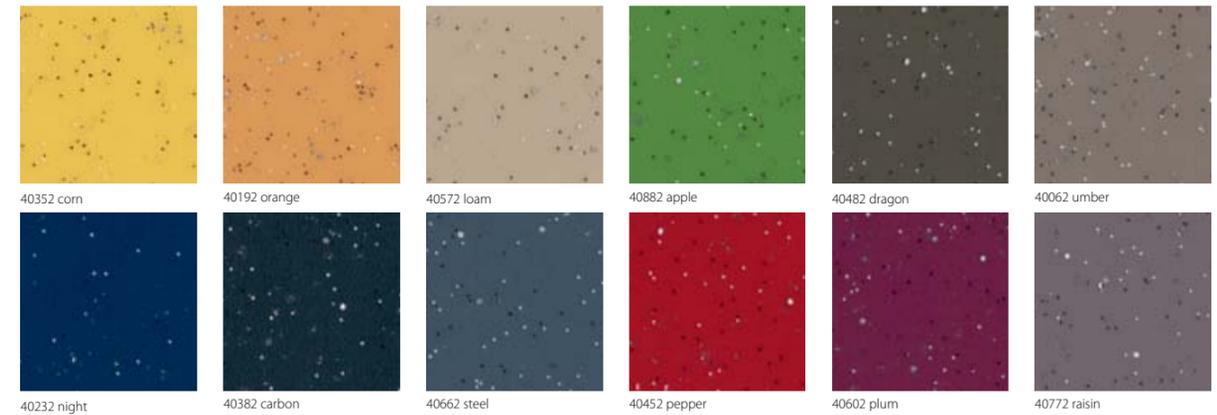


Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



Eternal palette 40572 loam

Eternal palette 40192 orange



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

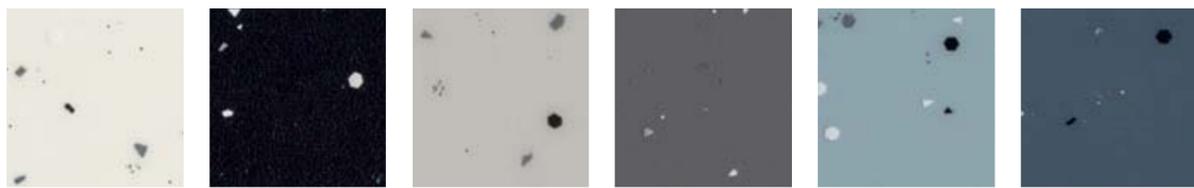
eternal contrast



A unique graphic design with a contrasting design element scattered into a coloured wear layer. Available in four black, white and grey colours and an additional fresh colour scheme of eight bright, outspoken colours.

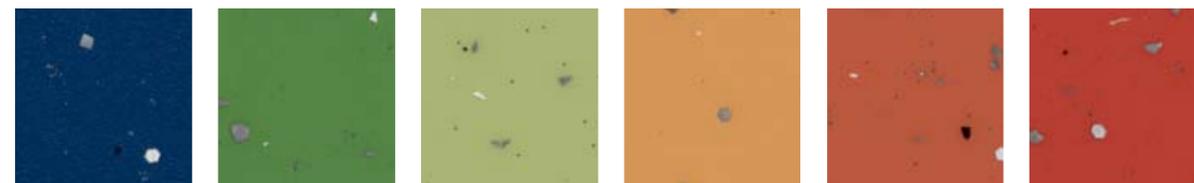


Eternal contrast 41032 pistachio



41002 snow 41292 charcoal 41322 smoke 41252 mercury 41272 sky 41662 steel

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



41232 night 41882 apple 41032 pistachio 41192 orange 41972 brick 41012 tomato

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura® Luxury Vinyl Tiles

Diversity by design



Allura 60086 | white rustic pine

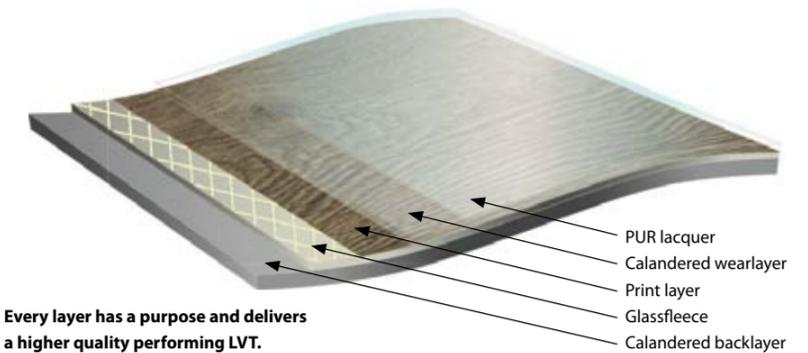
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

BREEAM ratings

Allura – Printed laminate PVC floor covering (EN649)

Building Type	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
A	A+	A+	A	A+	A+	-

The new Allura collection from Forbo Flooring Systems is a vibrant and versatile range of planks and tiles that can be combined to create diversely different interiors. International design combined with European manufacturing quality delivers a stand out collection that does not disappoint.



Every layer has a purpose and delivers a higher quality performing LVT.

Diversity in design

- Over 100 individual designs from Forbo's skilled in-house international design team
- Select designs achieved using 600 dpi digital print technology for pin sharp and vivid effects
- Outsize plank widths & tiles for increased authenticity
- A wide variety of embossing for a natural appearance

Differentiation through performance

- Made using a dimensionally stable interlayer to avoid shrinkage and allow larger, more realistic designs
- Made with a tough calandered wear layer and a flexible PUR finish
- R10 rated for improved slip resistance (Ceramics range R9)
- Homogenous ceramics range unique to LVT collections

Developed & manufactured in Europe

- Made in Europe with materials which are REACH compliant
- Cut using ultrasonic technology to reduce waste with all offcuts re-used in production process
- Sample take back scheme to reduce landfill

Dedicated support

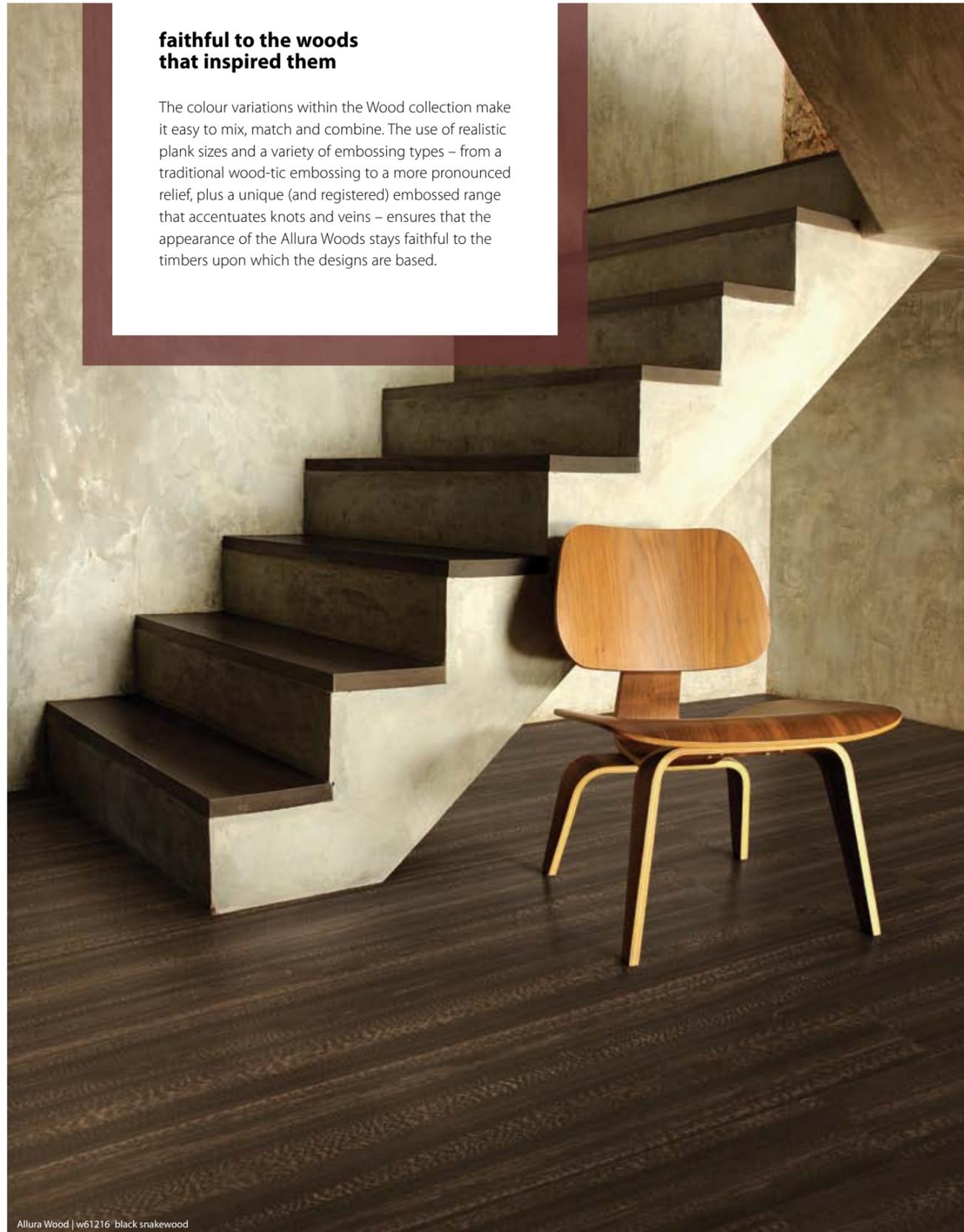
- Expert salesforce to help manage projects
- Floor plan design service providing integrated flooring solutions
- Large size sample service for easier colour matching

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] wood

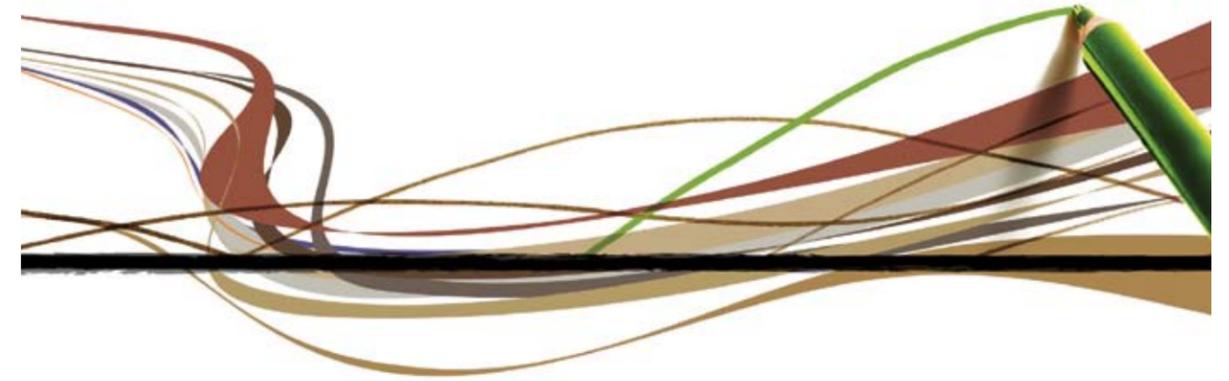
faithful to the woods that inspired them

The colour variations within the Wood collection make it easy to mix, match and combine. The use of realistic plank sizes and a variety of embossing types – from a traditional wood-tic embossing to a more pronounced relief, plus a unique (and registered) embossed range that accentuates knots and veins – ensures that the appearance of the Allura Woods stays faithful to the timbers upon which the designs are based.



Allura Wood | w61216 black snakewood

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



The outstanding Wood collection

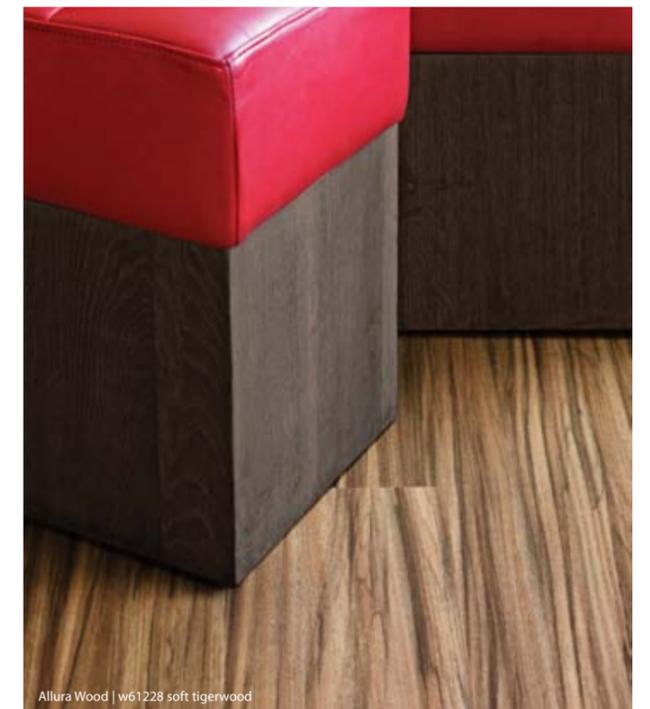
All LVT ranges include a basic wood design. This gave us the perfect incentive to extend customer choice enormously with a Wood collection that excels in terms of depth, detail, character and refinement. Allura's Wood designs were born out of the pursuit of three design goals: meeting the needs of architects, interior designers: end users and facility managers with:

- Authentic woods that are recognised by all
- Traditional woods often found in classic settings
- A new category of modern and abstract woods

In its design quality and diversity, Forbo Allura represents a complete and comprehensive offering.

Unique production process

All Allura designs are derived from 4-metre-wide cylinders measuring 1.5 metres in circumference. This provides unrivalled design freedom because no plank or tile is alike, just like its real-life equivalent. The calandered production method delivers a format that is extremely dimensionally stable, while the proven Forbo finishing technique gives a natural matt finish. Finally, modern ink technology, ultrasonic cutting and meticulous bevelling techniques ensure a truly life-like collection.



Allura Wood | w61228 soft tigerwood

Key:

- ☐ Bevelled
- * Also available in:
 - ☐ Thickness wear layer 0.55mm
 - ☐ Gauge 2.2mm
- Also available in Flex Design

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] wood

Authentic woods – pine



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] wood

Authentic woods – oaks



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] wood Traditional woods



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] wood Modern and abstract woods

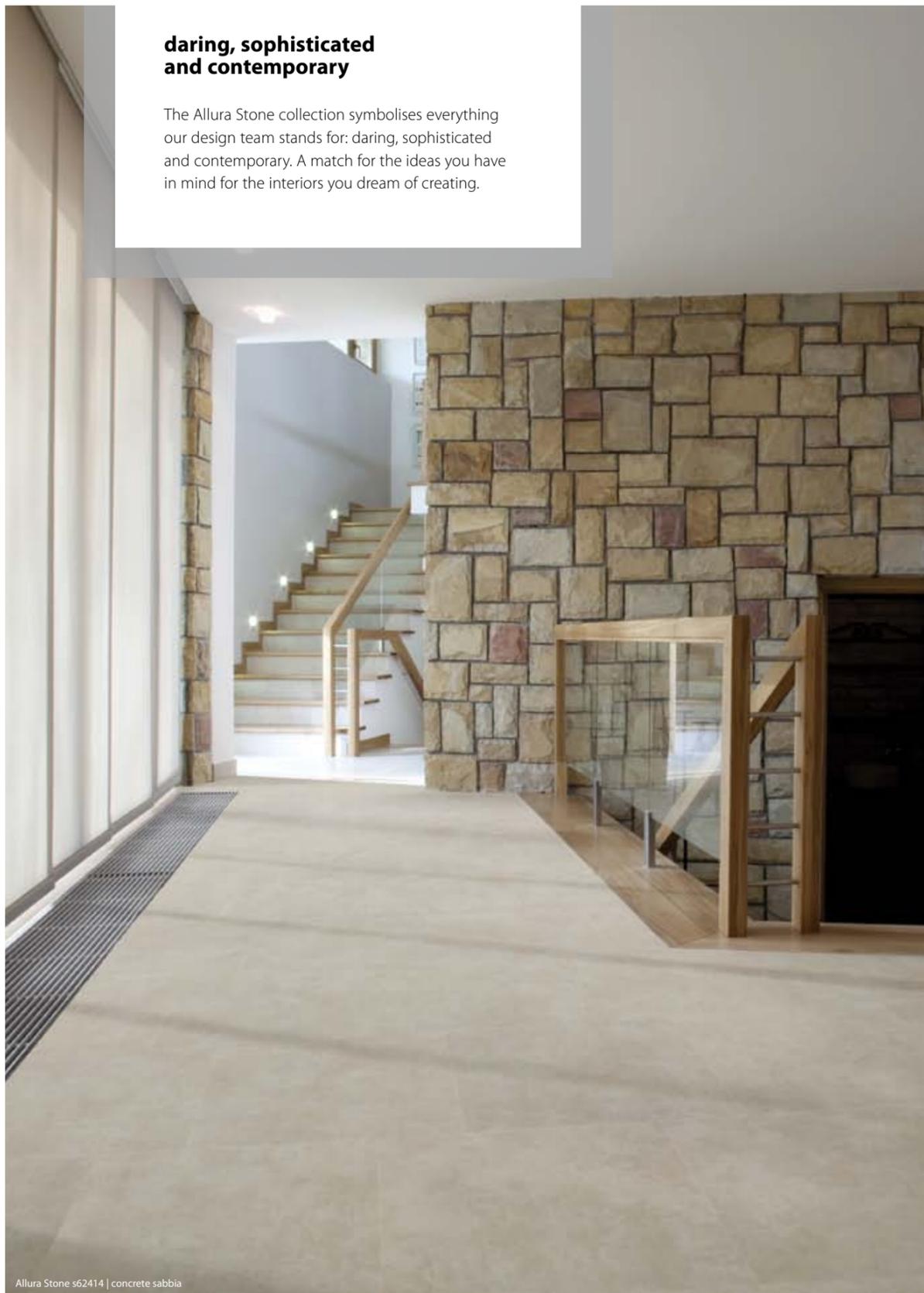


Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] stone

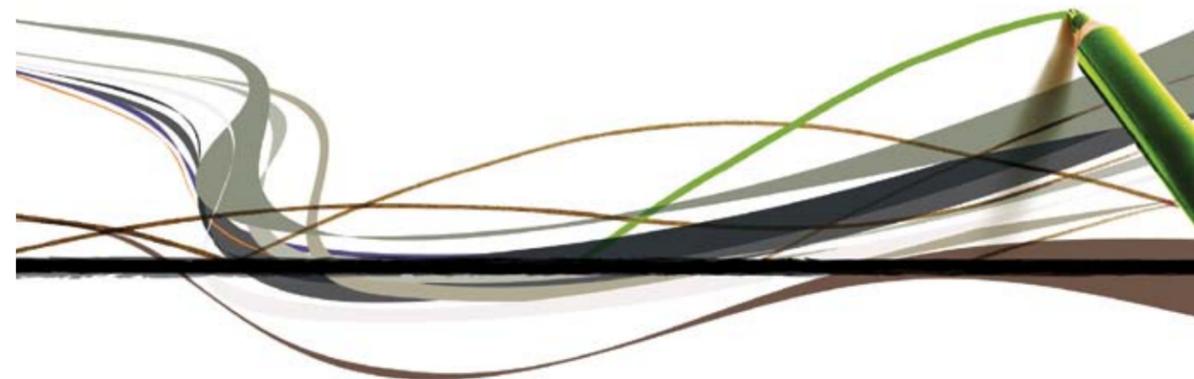
daring, sophisticated and contemporary

The Allura Stone collection symbolises everything our design team stands for: daring, sophisticated and contemporary. A match for the ideas you have in mind for the interiors you dream of creating.



Allura Stone s62414 | concrete sabbia

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



The outstanding Stone collection

The collection is based on current trends that have been translated into designs such as concrete, metal tile, slate and natural stone, with each design available in a range of colours.

- Modern stone designs that translate strongly into interior spaces
- Classic slates and natural stone that bring a touch of class
- Hardwearing ceramics that mimic traditional and terrazzo floors

An extra addition to the Stone collection is a special range of hardwearing tiles: Allura ceramics. Their homogenous construction, including innovative chip mixes and design effects that mimic terrazzo, concrete and granite flooring types, delivers a perfect solution with all the benefits of ease of installation, cleaning and maintenance – while still looking fantastic.

The Range of Shades, available in four colours, are a distinctive element in the Allura collection.

The range features warm and traditional aesthetics as well as modern and expressive visuals that meet a wide range of interior settings. Stunning designs that deserve to be placed on the floor.

Key:

-  Bevelled
- * Also available in:
 -  Thickness wear layer 0.55mm
 -  Gauge 2.2mm
 - Also available in Flex Design



Allura Stone s62402 | grey slate

Allura stripping

The Allura collection has the following stripping available:



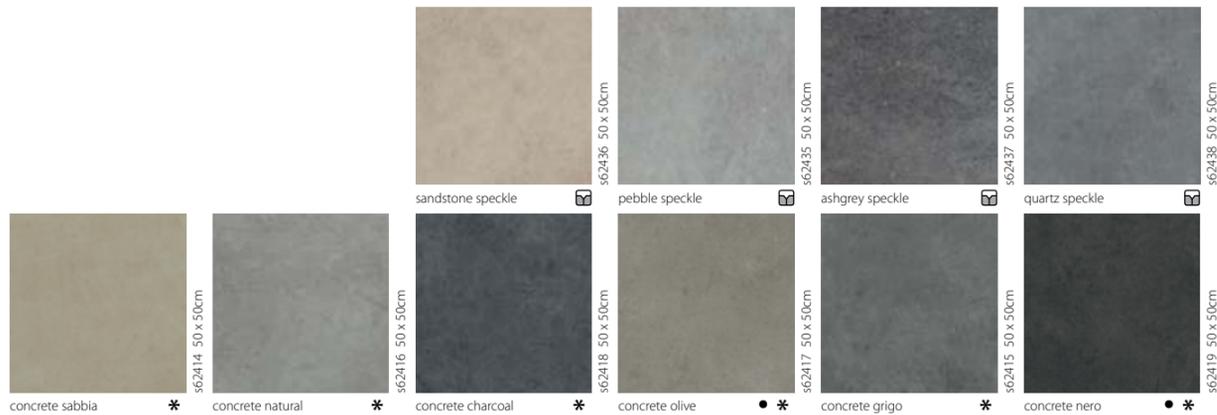
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] stone

Natural stone and concrete



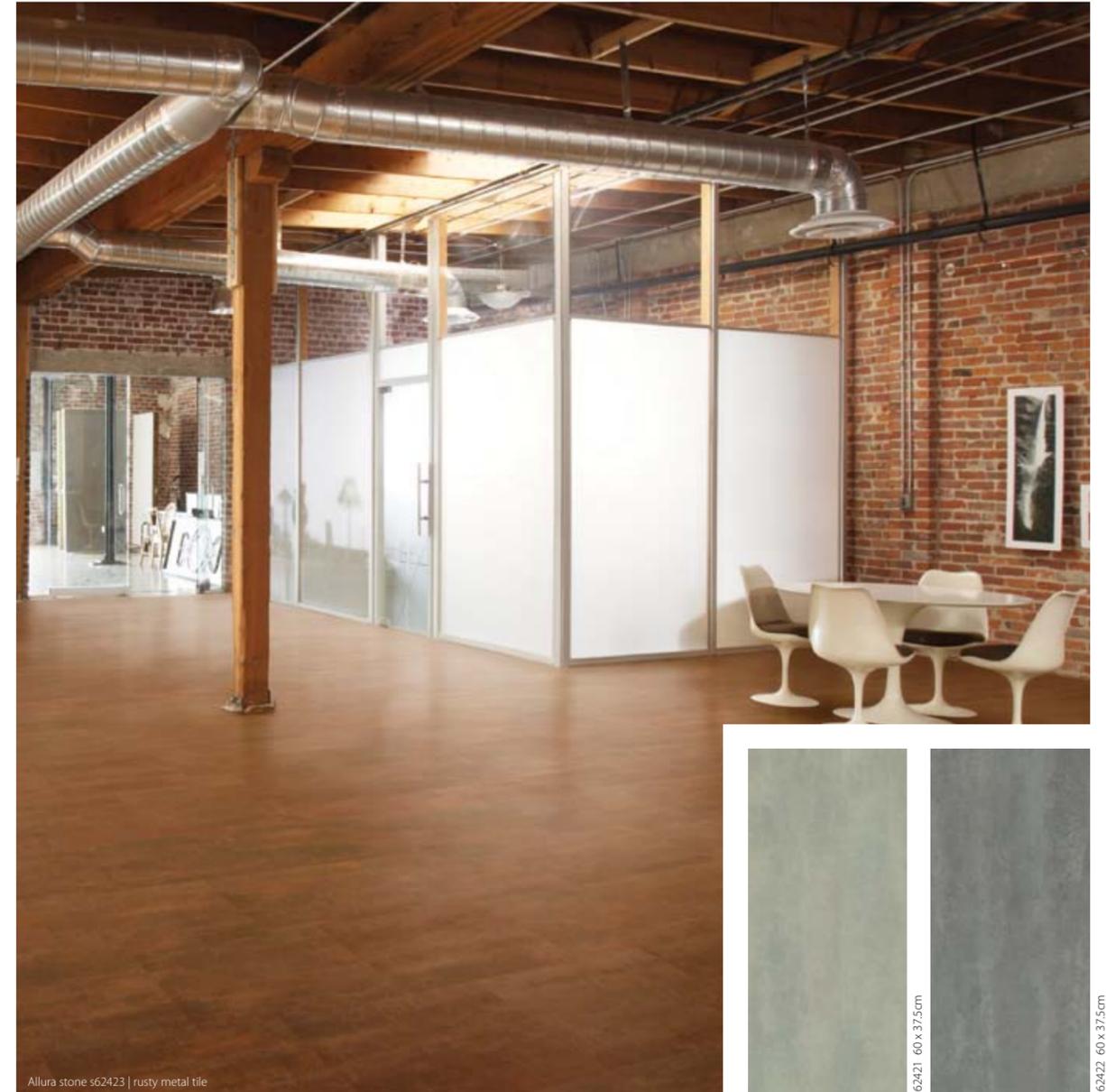
Allura stone s62436 | sandstone speckle



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] stone

Slate and metal tiles



Allura stone s62423 | rusty metal tile



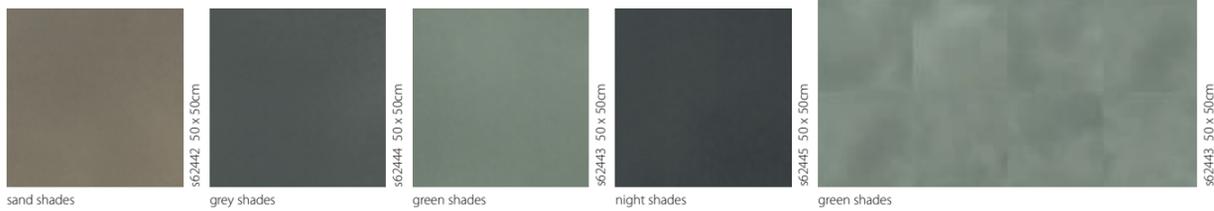
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] stone

A range of shades



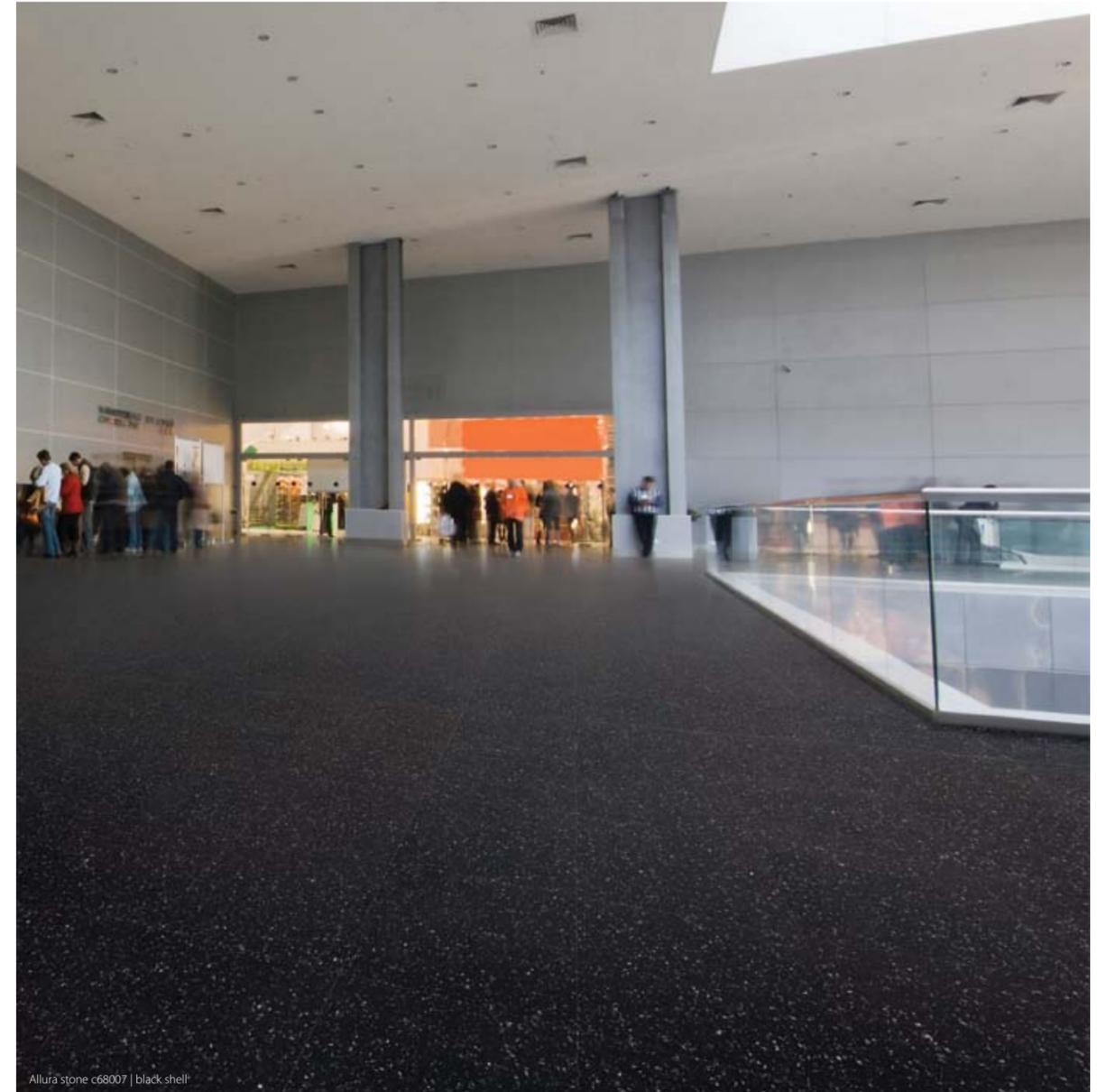
Allura stone s62444 | grey shades



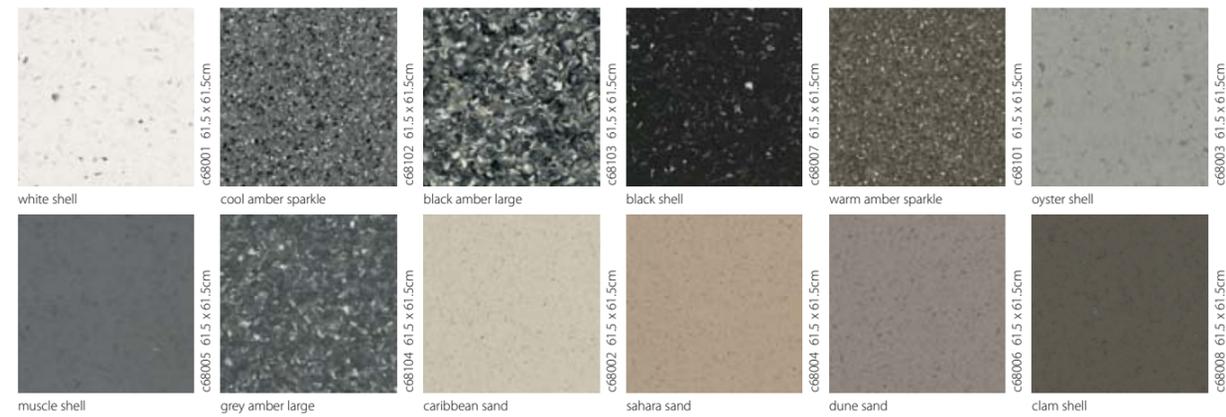
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura[®] stone

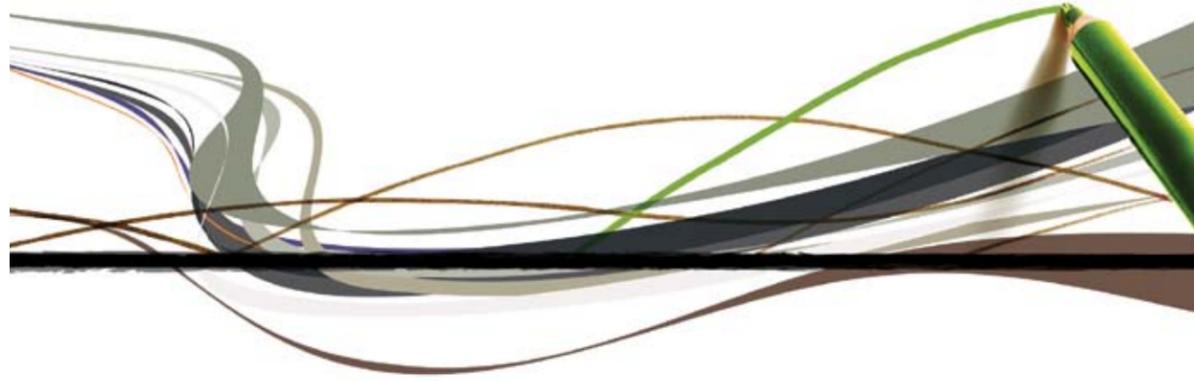
Ceramics



Allura stone c68007 | black shell



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



The outstanding **Abstract** collection

breaking new ground

The Abstracts range represents a unique body of work within Allura. There is simply no comparable product available today. For the Abstracts, we took high-tech, digitally printed designs, textile creations and metal like designs and combined them into an eye-catching genre within the whole offering.

To achieve what we were after we pioneered digital printing technology, again derived from 4-metre wide sheet, to create unprecedentedly lively, fresh and diverse colours. This collection is about mixing and matching to create endless combinations encompassing lines and uni-coloured tiles.

The Wave and Weave products have a more soft and organic design that is based on textiles visually enhanced by a soft gloss effect. The metal-like designs have colours that are inspired by metallics in various shades, with some enjoying an added glitter effect.

Most of these high-end designs are only available in Allura Premium. Some metallic effects are also available in high-end Allura 0.55 mm quality.



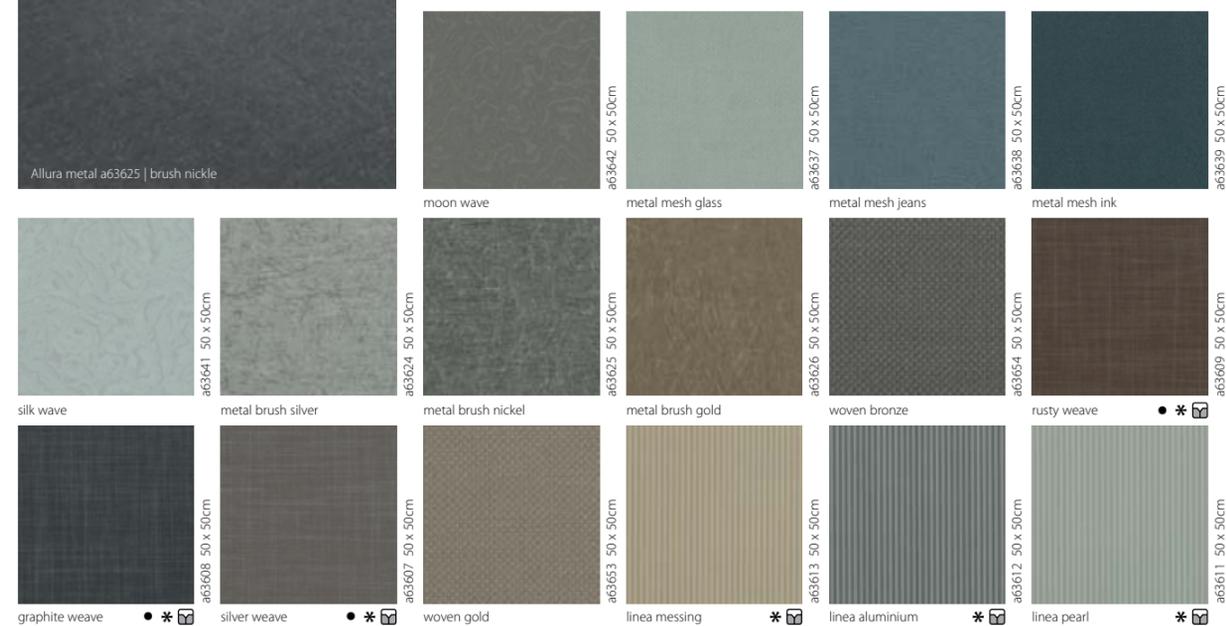
Allura metal a63637 | metal mesh glass

Key:

-  Bevelled
-  Also available in:
-  Thickness wear layer 0.55mm
-  Gauge 2.2mm
-  Also available in Flex Design

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura abstract Abstract designs



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

allura abstract

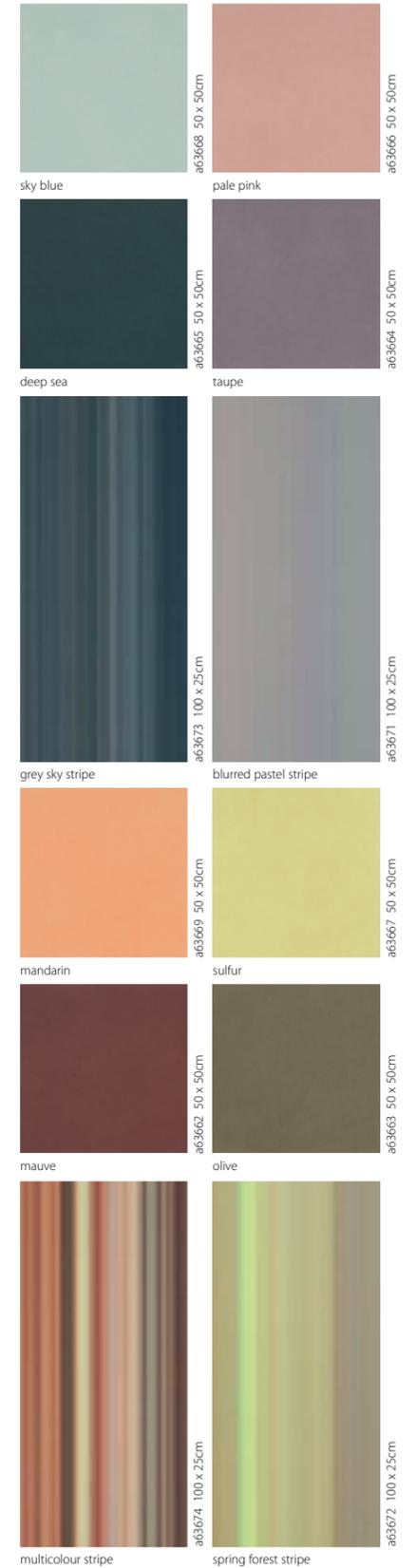
Lines and Unis to combine



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



Forbo LVT 0.55

The Forbo LVT collection is an integrated range of 15 realistic, contemporary wood and stone designs. The extremely high dimensional stability provided through the use of glass fibre, coupled with the high quality, very clear PUR factory finish which ensures scratch resistance, results in a product which gives superior strength and durability.



LVT 0.55 1538 | warm pine

Wood 120 x 20cm



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

BREEAM ratings

Forbo LVT 0.55 – Printed laminate PVC floor covering (EN649)

Building Type	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
Commercial	A+	A+	A	A+	A+	–



LVT 0.55 1525 | grey oak

Wood 150 x 25cm



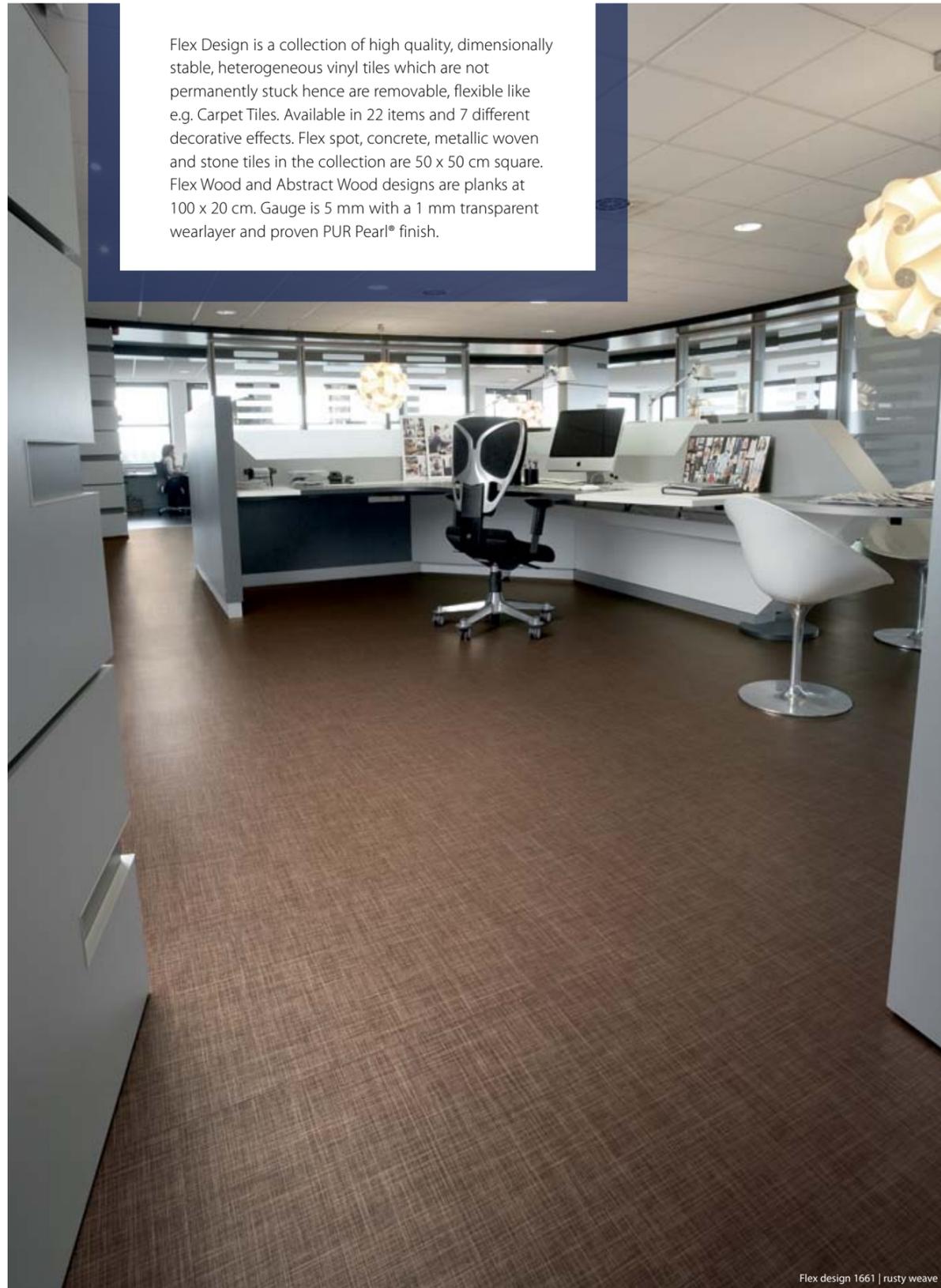
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Stone 50 x 50cm



flex design (loose lay)

Flex Design is a collection of high quality, dimensionally stable, heterogeneous vinyl tiles which are not permanently stuck hence are removable, flexible like e.g. Carpet Tiles. Available in 22 items and 7 different decorative effects. Flex spot, concrete, metallic woven and stone tiles in the collection are 50 x 50 cm square. Flex Wood and Abstract Wood designs are planks at 100 x 20 cm. Gauge is 5 mm with a 1 mm transparent wearlayer and proven PUR Pearl® finish.



Flex design 1661 | rusty weave

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

flex design

BREEAM ratings

Flex Design - PVC floor covering with a foam layer (EN651)

Building Type	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
Commercial	A+	A+	A	A	A+	-



Flex design 1646 | seagrass timber

Abstract wood 100 x 20cm



1648 seagrass carbon

1646 seagrass timber

1644 seagrass oyster

Traditional wood 100 x 20cm



1603 honey oak

1602 ash oak

1615 blond oak

1617 warm oak

1616 dark wengé

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

flex design (loose lay)

Spot 50 x 50cm



Flex design 1633 | concrete grigio

Concrete 50 x 50cm

Stone 50 x 50cm



1633 concrete grigio

1631 concrete sabbia

1632 concrete natural

1634 concrete nero

1675 shell stone

1673 cement stone

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

flex design (loose lay)



Flex design 1661 | rusty weave

Metallic woven 50 x 50cm



1663 blue steel weave

1661 rusty weave

1664 graphite weave

1662 silver weave

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

colorex[®] concept

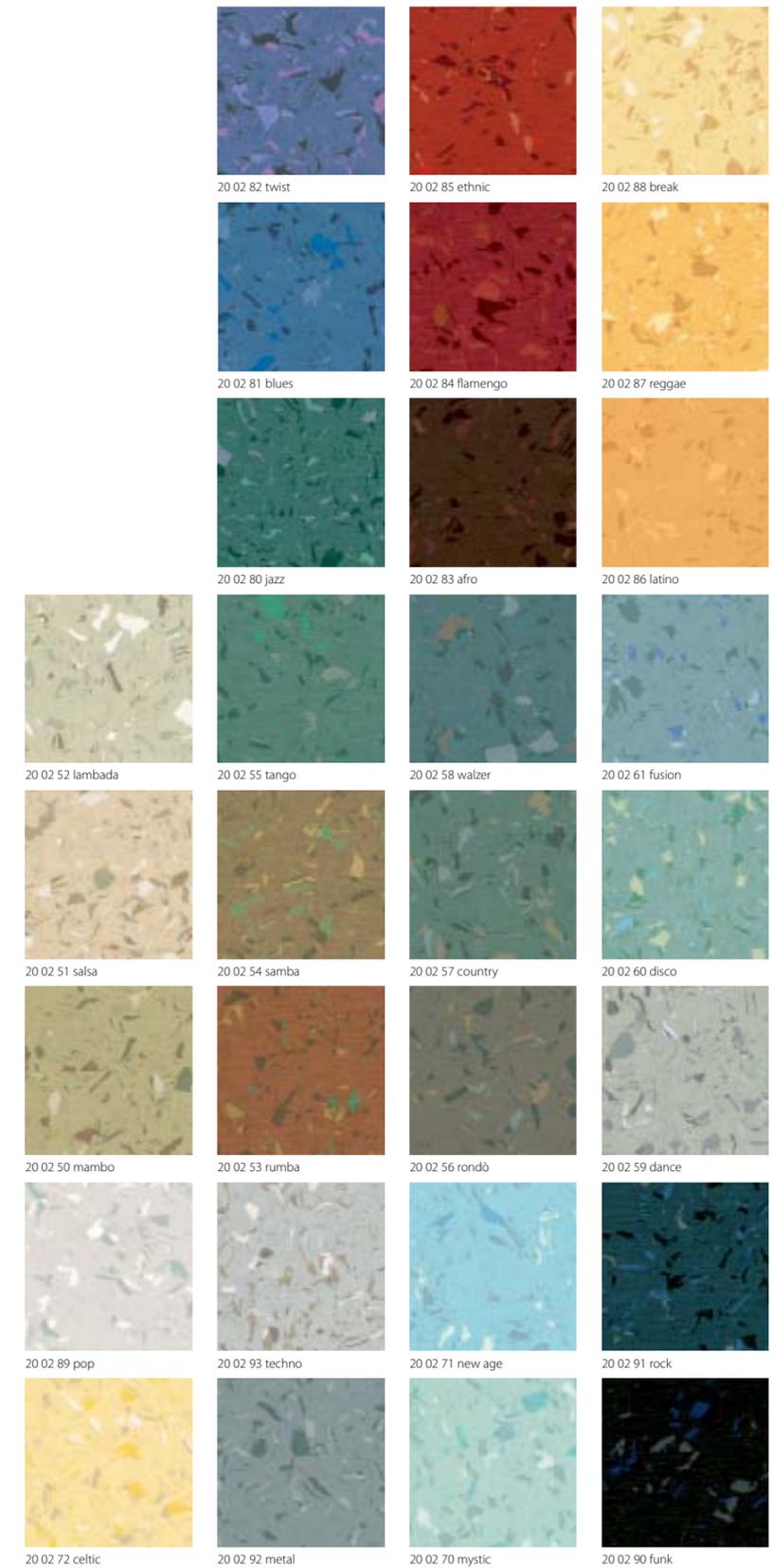
In office environments castor chairs put floor coverings under severe mechanical stress, making resistance to indentation a prime concern. And often floor coverings must also be suitable for installation on raised floor panels. In schools wear resistance and durability of floor coverings are vital, while the colours and designs must help create a pleasant setting. The same criteria also apply to retail shops and stores where customers must feel comfortable and at ease. In all these environments Colorex[®] Concept tiles with high performance coating provide the ideal solution, thanks to the quality of its raw materials and its high pressure manufacturing process. Its high density and homogeneous structure delivers outstanding high traffic performance, excellent slip resistance and high ignition resistance.

The surface appearance and quality of ColoRex[®]concept is more than skin deep. ColoRex[®]concept tiles are sliced from homogeneous blocks of material pressed at very high pressure, meaning that the surface quality will not be altered by intensive use and cleaning cycles and that it will maintain its original appearance even after a restorative maintenance with abrasive methods.



Colorex concept 200293 | techno

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

ESD flooring

The right choice of flooring system can enhance your interiors with innovative and beautifully designed products. However, for some applications your decision cannot be made on looks alone and the flooring you choose must also comply with the increasingly complex flooring requirements for technical areas.

The Colorex brand represents the best known ESD flooring in the market. The homogeneous pressed tile offers high quality and consistent performance. Matching welding rods, skirtings and coving ensure solutions for demanding floors in operating theatres, clean room and high tech environments.

Good reasons for choosing Colorex:

ESD floor coverings made of conductive coated chips show a definitely better and long lasting performance. Conductive coated chips form a solid, homogeneous compound which is stable in size and dimensions, a far better solution than "liquid" chemical additives like antistatic surfactants. This is the reason why the conductive properties of ColoRex® tiles are constant, permanent and not influenced by either ambient humidity or aging of the product. This is an important selection criterion, considering that the properties of a floor covering are required to be permanent and that performance to specifications will be subject to regular inspection.

Colorex for the electronic industry

- Permanent, lifetime conductivity
With ColoRex®, static charges are securely drained throughout the entire thickness of the tile by a dense network of tiny conductive veins.

- Guaranteed Electrical Resistance
The electrical resistance values of ColoRex® are continuously monitored by our ISO 9001 certified quality control laboratory, thereby delivering a certificate of electrical resistance measurement for each production batch.

- Low triboelectric charge and body voltage generation
By its own material structure, ColoRex® effectively contributes to preventing the generation and accumulation of static charges in moving personnel and mobile equipment.

- Outgassing and contamination control in cleanrooms
Electronic components and devices are getting increasingly smaller and faster but also more vulnerable to airborne molecular contamination. With every drop in size, cleanroom managers are tightening qualification requirements for cleanroom flooring as regards to contamination by outgassing. Thanks to its outstanding outgassing performance resulting from our continuous investments in R&D, leading device manufacturers and cleanroom contractors have qualified ColoRex® for unrestricted cleanroom use.



Colorex SD/EC

Colorex in Pharma & Biotech

- Aseptic areas
ColoRex® tiles are cut from homogeneous blocks of material pressed at very high pressure. Additionally, the surface of each tile is mechanically treated in various steps so as to achieve a completely smooth and absolutely pore free surface, without the use of any finishing product which might be worn out by intensive cleaning procedures. The outstanding bacteriostatic properties of ColoRex® have been certified by independent testing institutes.

- Bacteriostatic, cohesive seam welding
Tiles with welded seams are usually a concern in aseptic or hygiene critical areas. Our welding rods are made from the same base material as ColoRex®, so that hot seam welding will produce a true material cohesion between the tiles. Welded seams are watertight, free of micro-pores and resistant to dynamic or static mechanical stress.

BREEAM ratings

Colorex – Homogeneous PVC floor coverings (EN649)

Building Type	Commercial	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
A	A+	A+	A	A+	A+	-	-



Colorex SD/EC



Colorex SD/EC

- Complete cGMP compliance

Current GMP regulations also require that interfaces of the floor with vertical surfaces such as walls and partitions must be accessible for cleaning and disinfection. With ColoRex®, coved and seamless skirting, as well as inner and outer corners can be realised as a standard, taking advantage of the outstanding surface quality of the product also for critical, usually hard to reach areas within an aseptic environment.

- Chemical resistance

ColoRex® shows excellent resistance and chemical stability against a wide number of strong acids and alkalis in any concentration, even after extended exposure. This will ensure that intensive and repeated cleaning or exposure to etching chemicals will not affect the surface quality and performance of the tiles.

Healthcare environments

- Hospital hygiene

The surface quality of ColoRex® is subject to rigorous, real time monitoring by quality control already during production. The surface is not only pore free, its smoothness is precisely defined to stay within exacting and measurable parameters, adding remarkable soil resistance to the certified antibacterial properties.

- Safety

Modern medical care technologies are heavily dependent on sophisticated and sensitive equipment. ESD events, which are usually accompanied by the release of electromagnetic radiation, may put the safety of patients and medical care personnel at serious risk. Protection from ESD is a prime feature of ColoRex®, the first choice flooring solution for critical treatment areas.

- Infection control

ColoRex® tiles and welded seams have certified antibacterial properties. Thus, they will effectively contribute to prevent the spreading of infections throughout healthcare facilities.

- Mechanical resistance

Many hospital areas are subject to intense traffic by beds on wheels. Resistance of both the floor and the welded seams against dynamic loads are a major concern in this respect. ColoRex® tiles are cut from highly compressed homogeneous blocks, resulting in superior indentation resistance properties. The seams are heat welded using the same base material as ColoRex®, so that a true material cohesion between the tiles can be produced. Welded seams will therefore resist any dynamic load without cracking or opening up, even at typically critical points like curves or doorways.

Available ranges:

Colorex SD/EC

High-performance electrostatic conductive and static dissipative properties

Colorex Plus

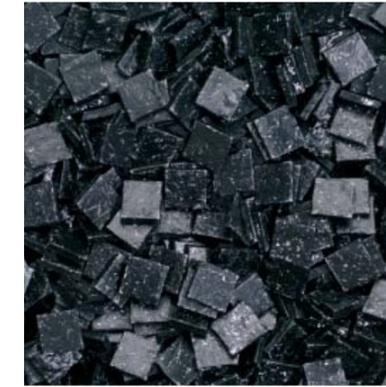
A high-performance floor tile, making expensive sub floor preparation and production downtime unnecessary

Colorex Welltech

The first homogeneous, conductive floor covering on polyester basis

colorex[®] SD/EC

Colorex SD/EC is a highly compressed tile with a compact surface. Our unique production process begins by cutting vinyl sheets into small chips, which are then coated with a conductive substance. By applying very high pressure and a high temperature, these coated chips are then compressed into solid blocks of homogeneous material ready to be sliced into single tiles. Take a look at the finished product and you'll see that the conductive coating forms a dense network of tiny black veins. These are the 'conductor paths' that enable safe electrostatic discharge through the whole thickness of the tile.



With ColoRex[®], static charges are securely drained throughout the entire thickness of the tile by a dense network of tiny conductive veins. No antistatic additives or surfactants are used. Conductivity is therefore independent from ambient conditions and will not decrease over time, remaining constant and stable throughout the entire lifetime of the tiles. The electrical resistance values of ColoRex[®] are continuously monitored by our ISO 9001 certified quality control laboratory, thereby delivering a certificate of electrical resistance measurement for each production batch. Forbo is the only manufacturer offering this unique service to customers. The electrical resistance range reported in the certificate is guaranteed for the entire lifetime of the tiles.

In most ESD protected areas, just the presence of static charges is a concern, whether discharges occur or not. By its own material structure, ColoRex[®] effectively contributes to preventing the generation and accumulation of static charges in moving personnel and mobile equipment.

Electronic components and devices are getting increasingly smaller and faster but also more vulnerable to airborne molecular contamination. With every drop in size, cleanroom managers are tightening qualification requirements for cleanroom flooring as regards to contamination by outgassing. Thanks to its outstanding outgassing performance resulting from our continuous investments in R&D, leading device manufacturers and cleanroom contractors have qualified ColoRex[®] for unrestricted cleanroom use.

Colorex SD/EC is available in tile form only, due to the static, high pressure pressing process. Tiles can be installed more quickly and easily than sheets and with less waste, especially in small and medium areas or rooms with irregular shapes. Tiles offer architects and specifiers greater freedom of design and are welcome on the construction site because they are easier to handle.

USP's

- a lifetime of consistent conductivity
- Guaranteed resistance and safety
- low body voltage generation
- Hygienic
- High mechanical and wear resistance
- Excellent chemical resistance
- 100% repairable and restorable



Colorex SD/EC 150223 | Atlantic

colorex[®] SD/EC

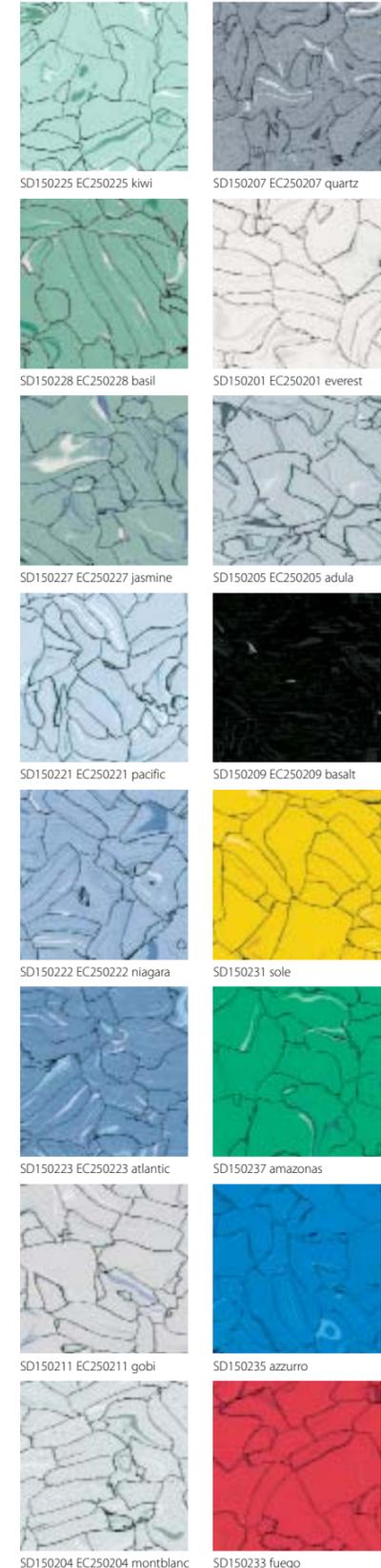
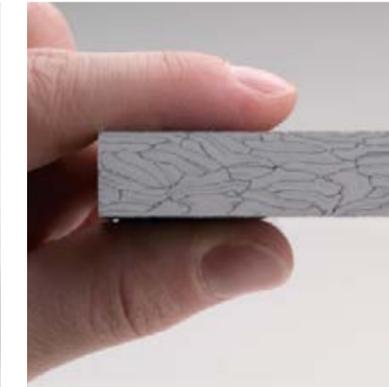
A homogeneous vinyl flooring product, it has the right conductive properties with outstanding particle emission behaviour in cleanroom conditions, making it the perfect choice for hygiene-critical applications. A high-performance flooring system that you can rely on to provide a long life and consistent high quality – however difficult the application.

SD: Conductive floor with an electrical resistance between 1×10^6 and $1 \times 10^8 \Omega$

EC: Conductive floor with an electrical resistance between 5×10^4 and $1 \times 10^6 \Omega$



Colorex SD/EC 150223 | Atlantic



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

colorex[®] plus

Colorex Plus is a homogeneous vinyl tile that can be loose laid on any kind of floor surface, regardless of its condition, without the need for any specific treatment or preparation. This means that you will no longer need to remove old, scruffy, brittle or simply worn out floor coverings. Thanks to the honeycomb structure of the backing, Colorex Plus tiles can be installed directly on any kind of surface, thereby saving a lot of time and costs.



Colorex plus AS 61107 | quartz

colorex[®] plus

Colorex Plus is available in 3 constructions; Colorex Plus AS, Colorex Plus EC and Colorex Plus ST.

Colorex Plus AS and Colorex Plus EC feature a genuine Colorex surface, with its proven excellence and quality. The surface and the backing structure of Colorex Plus AS and EC are made of the same material. The backing actually consists of manufacturing waste of Colorex tiles, compounded and moulded by injection directly onto the backing of the surface tile.

colorex[®] AS

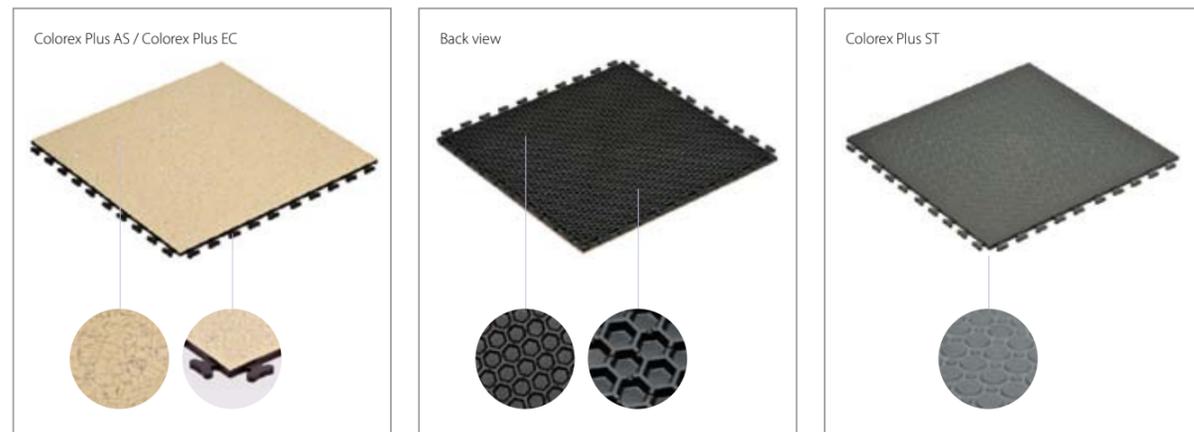
Colorex Plus AS combines the indentation and wear resistance of a homogeneous, pressed vinyl tile with the unmistakable advantages of a loose laid flooring system. With Colorex Plus AS you can easily and quickly renovate any factory floor, without downtimes, disturbances or construction site like conditions.

colorex[®] EC

The proven premium quality of Colorex EC static control tiles are combined with a carbon black filled backing in a injection moulding System. Colorex Plus EC are conductive tiles that are electrically connected with each other by their conductive backing and the tight dovetailing system. Therefore, to ground a Colorex Plus EC floor you just need to connect one tile to ground every 30 m² or so. The connection can be made with a simple piece of electrical wire or a copper strip, attached to any point of the conductive backing of the tile.

colorex[®] plus ST

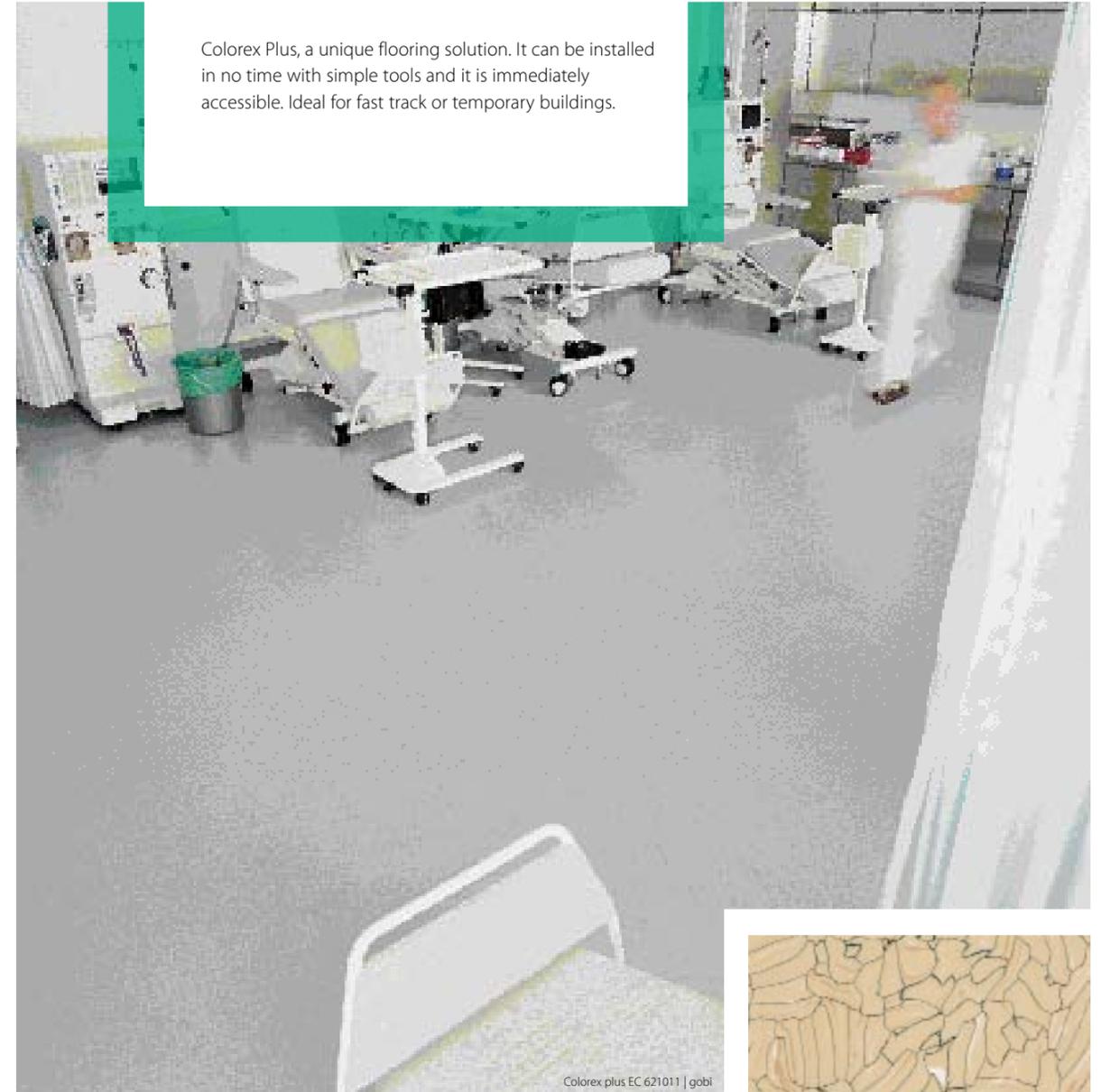
Colorex Plus ST tiles are featuring a solid, embossed surface, with certified R11 slip resistance to meet specific safety requirements. When performance and safety are first priority and rough conditions of use are prevailing, Colorex Plus ST is the right answer. With its dirt resistant dark grey colour and the studded surface, the Colorex Plus ST tiles are the ideal solution not only to pave high traffic areas like such as forklift paths, but also for production halls and factory sections in general where the floor is particularly strained by the activity.



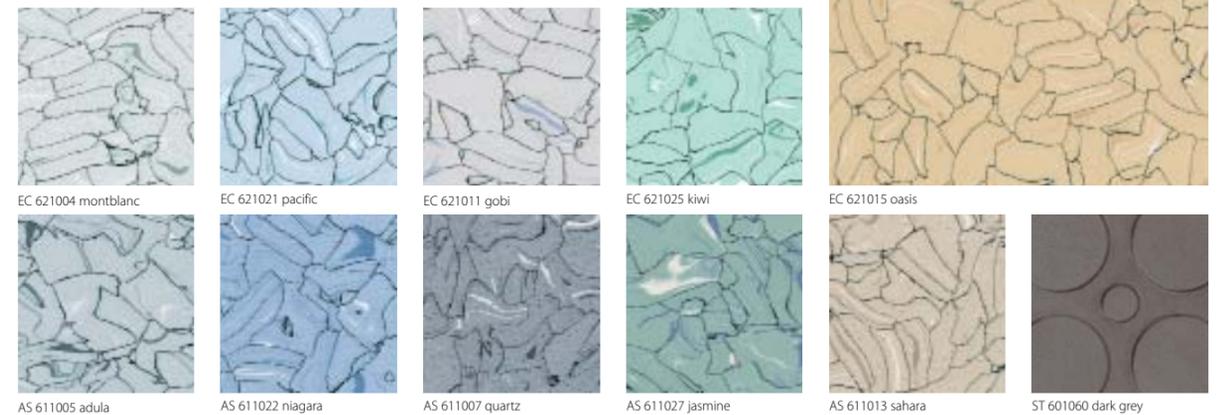
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

colorex[®] plus

Colorex Plus, a unique flooring solution. It can be installed in no time with simple tools and it is immediately accessible. Ideal for fast track or temporary buildings.



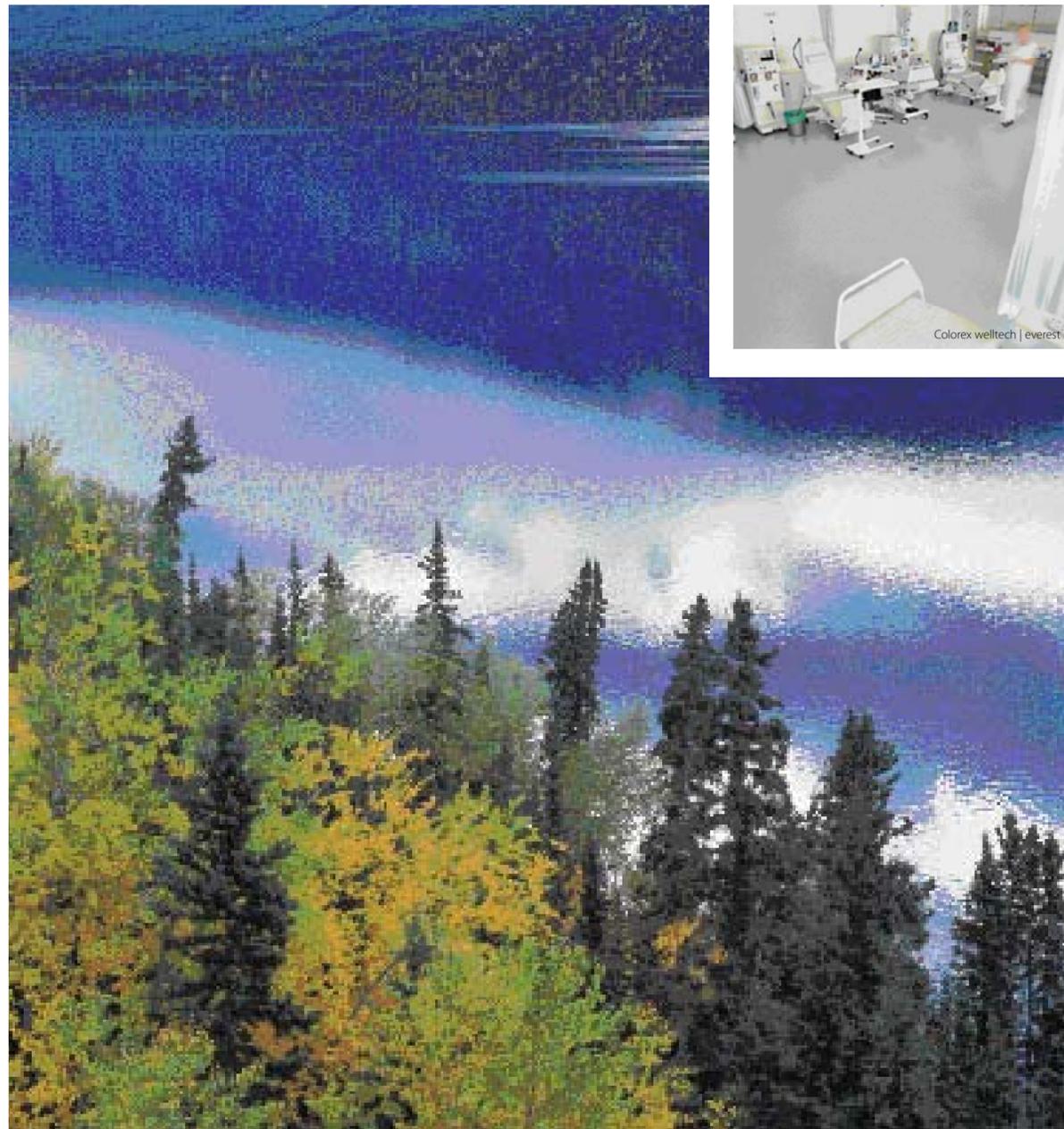
Colorex plus EC 621011 | gobi



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

colorex[®] welltech

ColoRex Welltech is the first homogeneous, conductive floor covering product on polyester basis. It does not contain any plasticizer at all and it is free of antistatic additives, meeting the highest standards and expectations of modern environmental science. Colorex welltech is therefore particularly suited for cleanroom applications. Thanks to the perfect hygiene due to a pore-free, bacteriostatic floor covering with a high material density this floor is highly suitable for in hospitals and aseptic areas. Furthermore, it has improved safety in case of fire, is hardly ignitable, has a low smoke development and is IMO (International Maritime Organisation) approved.



Colorex welltech | everest

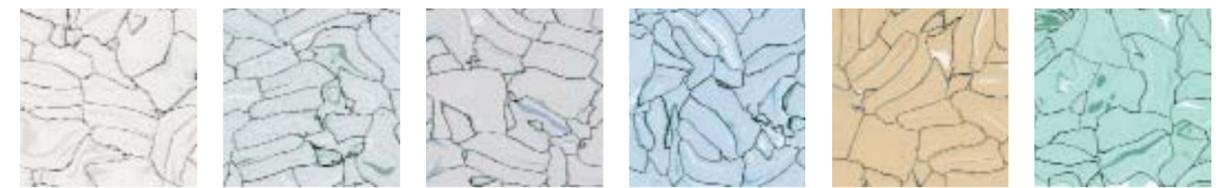
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

colorex[®] welltech

Colorex Welltech, Forbo's PVC-free offer, high in quality and performance, available in 6 colours.



Colorex welltech | mont blanc



everest SD 85 02 01
everest EC 95 02 01
mont blanc SD 85 02 04
mont blanc EC 95 02 04
gobi SD 85 02 11
gobi EC 95 02 11
pacific SD 85 02 21
pacific EC 95 02 21
oasis SD 85 02 15
oasis EC 95 02 15
kiwi SD 85 02 25
kiwi EC 95 02 25

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

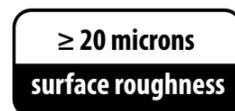
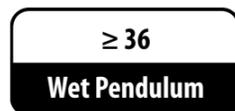
safety vinyl

Safety vinyl can be used wherever people work, learn, play or go about their daily business. Slip resistancy is a paramount consideration.

A slip or trip accident occurs every three minutes*

By choosing a Step floor, the number of accidents caused by slipping can be reduced significantly. In the long run this will mean less suffering for individuals and a reduction of cost.

* Health and Safety Establishment, UK



The Step collection consists of eight ranges of highly durable vinyl floor coverings combining outstanding slip resistance to recognized international standards with an extensive range of designs featuring fresh colours and pleasing patterns. Offering the most complete choice in function and design, Step will help you achieve aesthetically attractive interiors in a wide range of commercial, educational, health care and retail interiors.

Classification of slip resistance

Floors are evaluated for slip resistance by using the 'R' scale, which runs from R9 to R13. Step is classed between R10 and R12. The 'R' scale is linked to a German DIN 51130 standard, and it measures slip resistance using a ramp. In order to arrive at a classification for a flooring product, a test person stands on a ramp on which the flooring is mounted. The floor subsequently is covered with oil. The ramp is tilted progressively and at the point where the person feels unsafe, the angle of the ramp is recorded.

HSE Compliance

The Health and Safety Executive (HSE) and UK Slip Resistance Group (UKSRG) measure slip resistance using the Pendulum test*. This test measures the coefficient of friction of a floor surface and the results are used to provide a slip potential classification. A pendulum test value (PTV) of 36 or higher is classified as low slip risk. Micro surface roughness measurements can also be used alongside the Pendulum test to provide an additional indication of slip risk with different contaminants. For example, in wet

conditions a surface roughness of 20 microns indicates a low slip risk (more viscous contaminants, such as oil, will require a higher surface roughness). All Step floors comply with HSE requirements and the construction of Step ensures sustainable slip resistance throughout the guaranteed life of this product.

*HSE information sheet – Assessing the slip resistance of flooring.

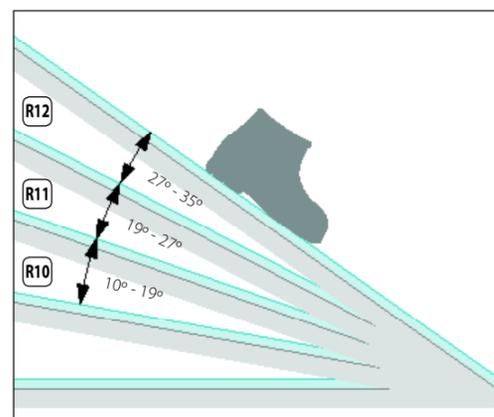
EN 13845

EN 13845 is the European standard that ensures the sustainability of slip resistance in vinyl floor coverings. It concerns PVC floor coverings with particle enhanced slip resistance. This standard specifies the requirements that must be met to ensure durable slip resistance in varying degrees of usage intensity. All Step floors comply with EN 13845.

The Step safety project vinyl collection is available in 8 different ranges, all adapted to meet different anti slip requirements for flooring. Surestep Original and Safestep achieve their slip resistance by incorporating into the wear layer either quartz, or carborundum grains, or a combination of the two. Clarity in designs, such as Surestep Wood, Stone, Star and Colour, is achieved by using aluminium oxide, also having the same hardness. The result is safety flooring that is tough, long lasting and extremely wear resistant. All particles are so hard that they cannot wear, providing slip resistance that lasts throughout the life of the floor.

Collection benefits

- All ranges are antistatic
- Extremely high indentation resistance
- Easy to clean and low scuff marking due to PUR Pearl™ and PUR coating, perfect for easy cleaning and maintenance
- Matt appearance for a natural look
- Flexible and easy to install, especially for Safestep Grip for wet areas



BREEAM ratings

Safety Flooring – PVC floor covering with enhanced slip resistance

Building Type	Commercial	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
	A	A+	A+	B	A+	A	-



Surestep original 17125 | mink

- Step is made under compliance to the strict environmental standard ISO 14001
- Forbo is committed to Vinyl 2010; a voluntarily initiative of PVC manufacturers to improve the sustainable profile of PVC products by stimulating recycling initiatives.
- Extensive design range
- In compliance with all latest standards, with slip resistance from R10 to R12 and barefoot safety
- Unique usage of combination of quartz and carborundum or aluminum oxide particles ensuring durable slip resistance
- Excellent durability due to 0.7 mm wear layer, wear class is highest with group T rating
- Surestep Original, Colour and Star have dissipative properties

Quartz carborundum aluminium oxide

Surestep Original and Safestep achieve their slip and wear resistance by incorporating into the wear layer either quartz or carborundum grains, or a combination of the two.



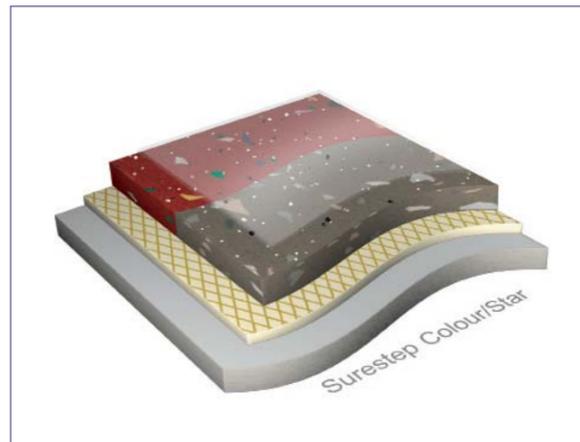
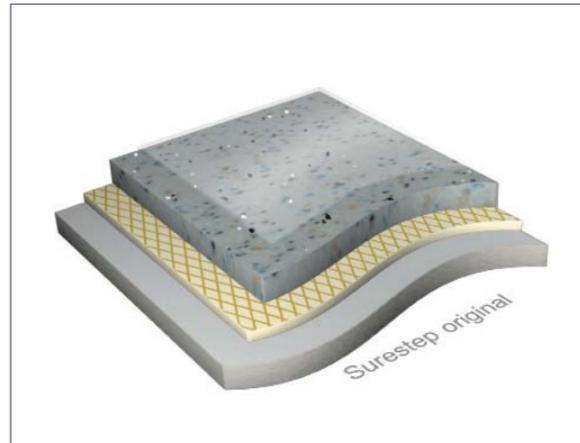
safety vinyl

Safestep R11, R12 and Grip have a PUR surface finishing. This finish ensures effective cleaning and maintenance, even on this rougher surface.

Constructions:

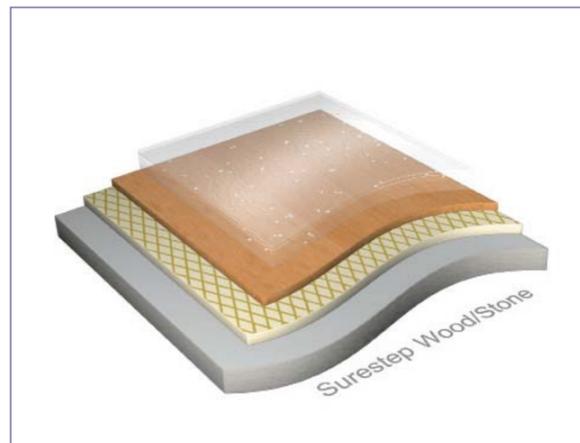
Surestep original

1. PUR Pearl™; PUR coating with matt embossing for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with quartz and carborundum for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and textured for easy installation



Surestep colour, Surestep star

1. PUR Pearl™; PUR coating with matt embossing for easy cleaning and maintenance and a natural appearance
- 2a. Colour: 0.7 mm 100% PVC wear layer with aluminium oxide and coloured PVC chips for durable slip resistance. Design layer, UV light resistant against fading
- 2b. Star: 0.7 mm 100% PVC wear layer with aluminium oxide or carborundum with holographic and PVC chips for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and textured for easy installation



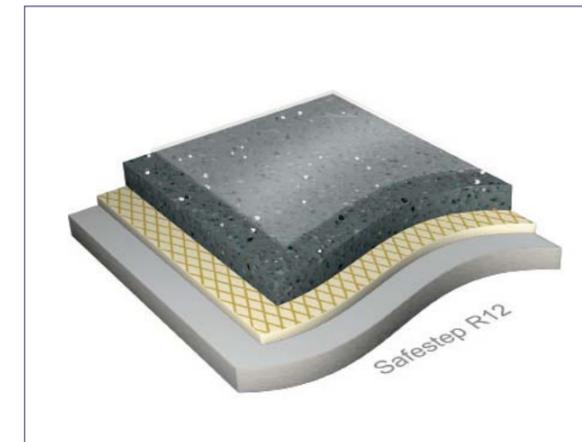
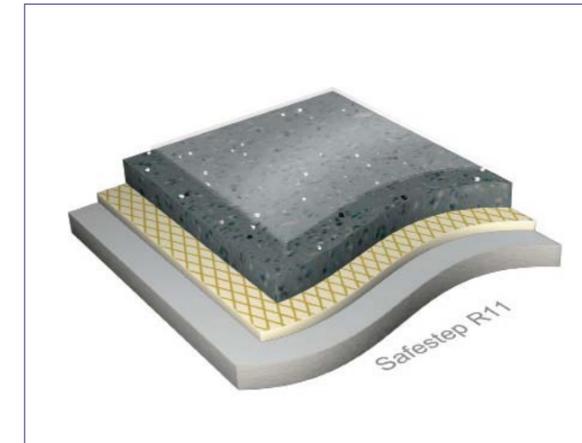
Surestep wood, surestep stone

1. PUR Pearl™; PUR coating with matt embossing for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with aluminium oxide or carborundum for durable slip resistance
3. Design layer, UV light resistant against fading
4. Flexible carrier for optimal dimensional stability
5. Backing with recycled content and textured for easy installation

Constructions:

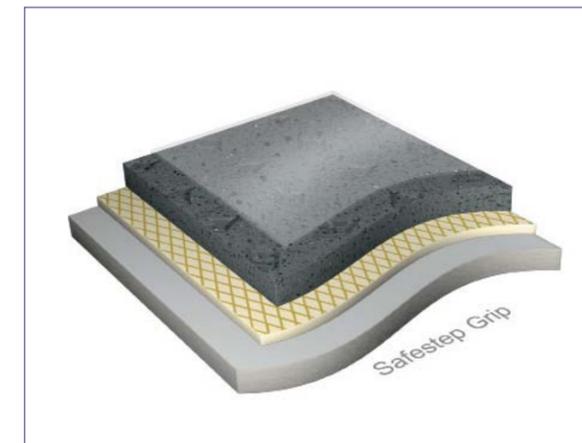
Safestep R11

1. PUR coating for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with quartz and carborundum for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and textured for easy installation



Safestep R12

1. PUR coating for easy cleaning and maintenance and a natural appearance
2. 0.7 mm 100% PVC wear layer with quartz and carborundum for durable slip resistance. Design layer, UV light resistant against fading
3. Flexible carrier for optimal dimensional stability
4. Backing with recycled content and textured for easy installation

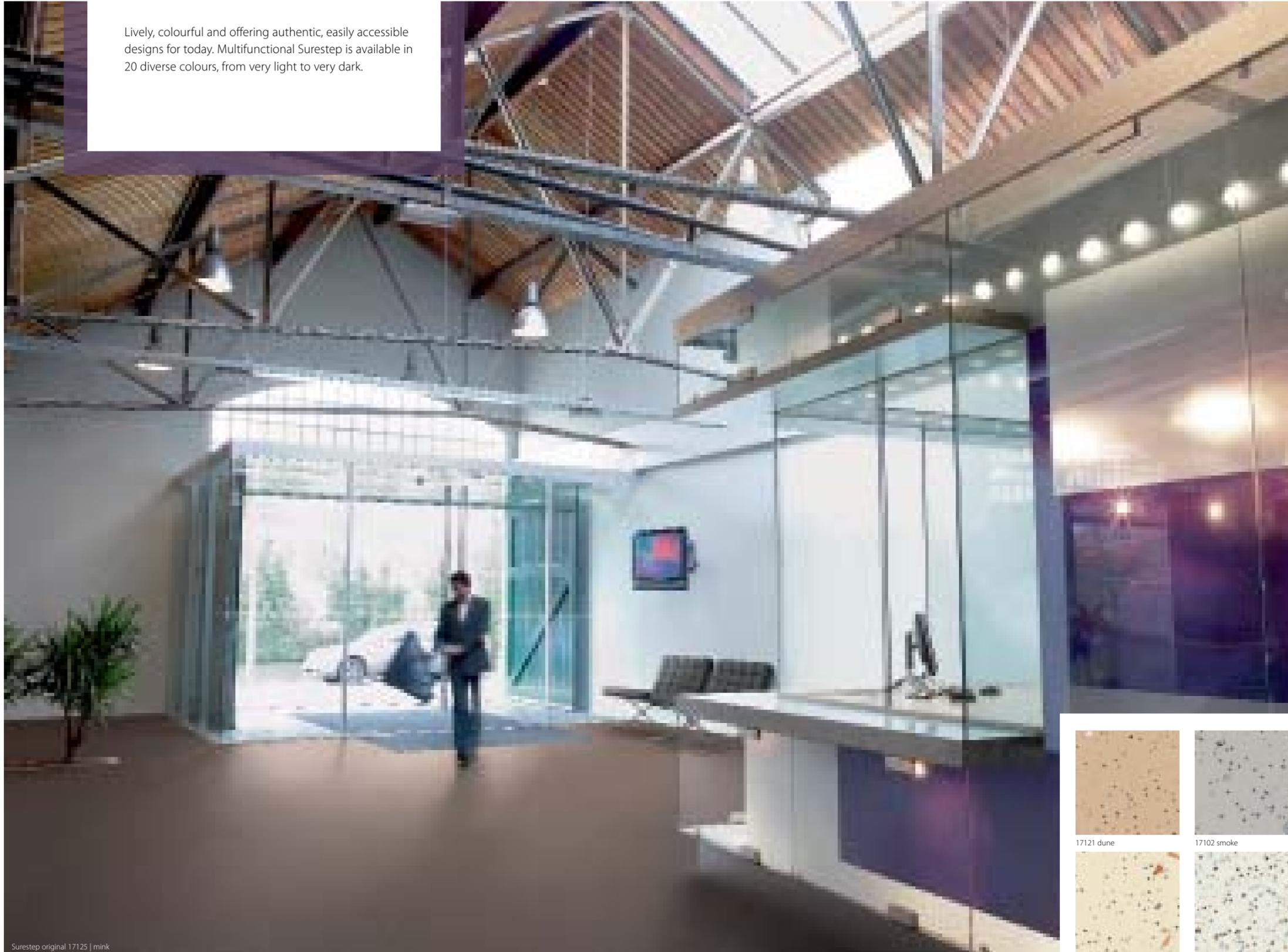


Safestep grip

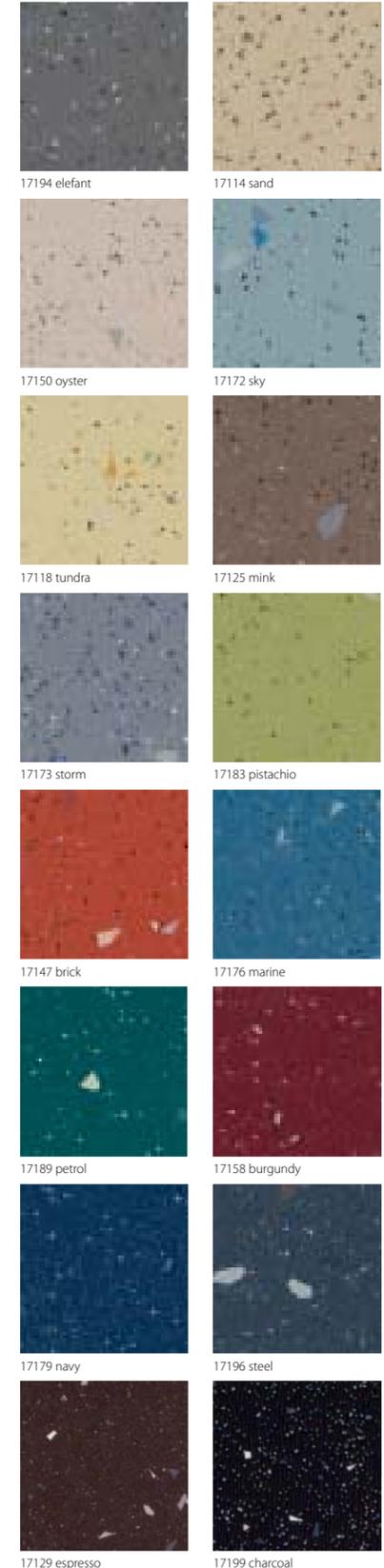
1. PUR coating for easy cleaning and maintenance and a natural appearance
2. Embossing for bare foot anti slip properties. 0.7 mm 100% PVC wear layer with carborundum for durable slip resistance. Design layer, UV light resistant against fading
3. Extreme flexible carrier for optimal installation and dimensional stability
4. Backing with recycled content and textured for easy installation

surestep® original

Lively, colourful and offering authentic, easily accessible designs for today. Multifunctional Surestep is available in 20 diverse colours, from very light to very dark.



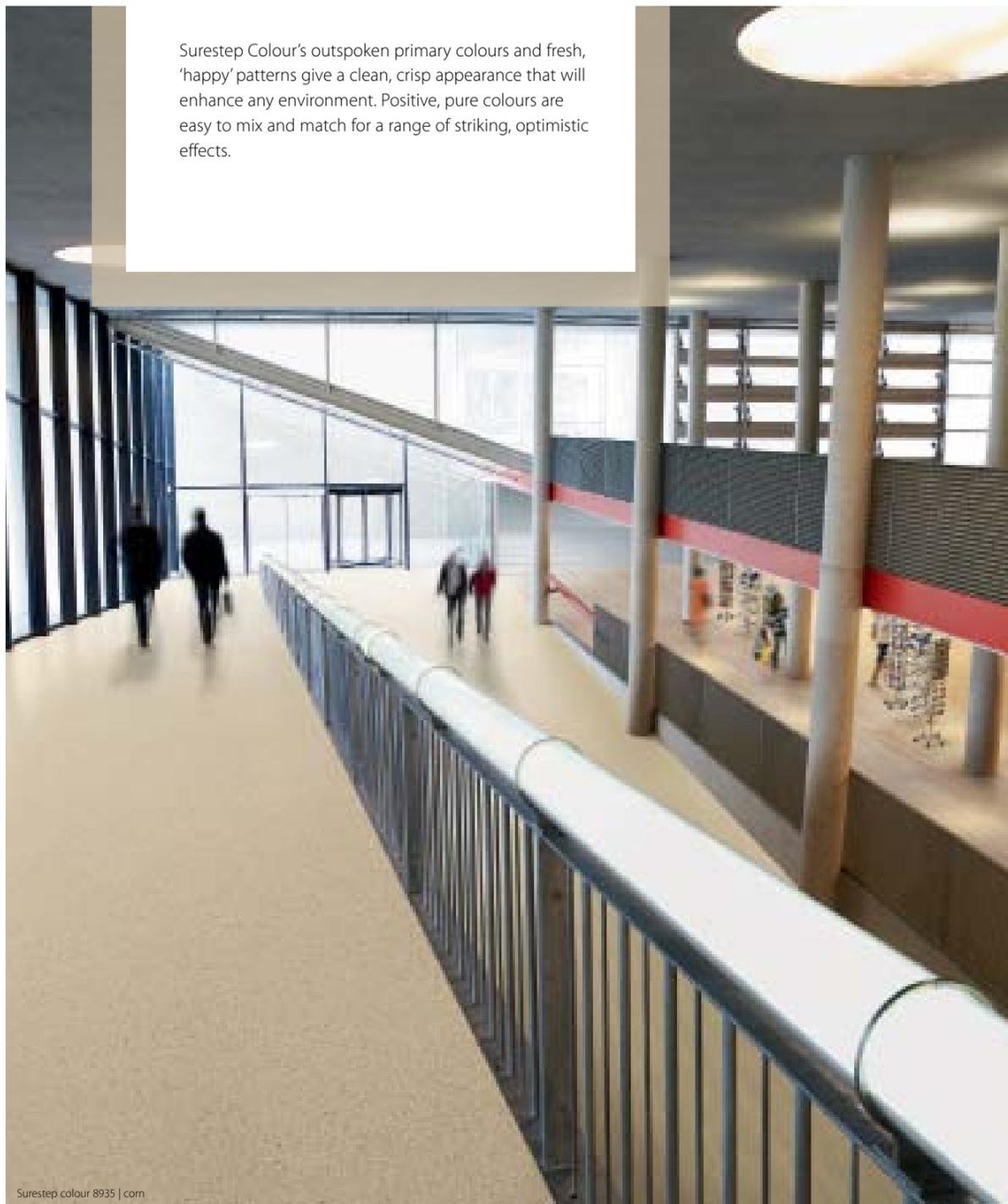
Surestep original 17125 | mink



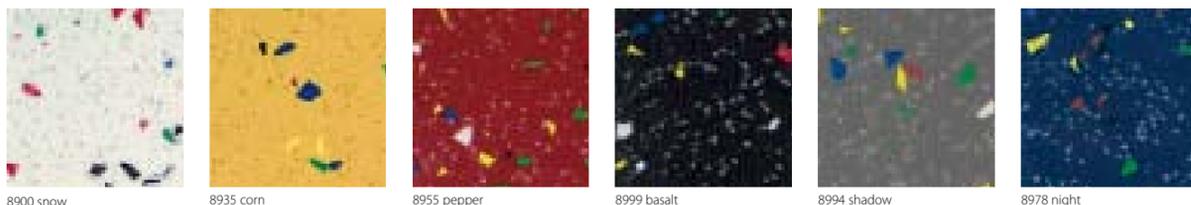
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

surestep[®] colour

Surestep Colour's outspoken primary colours and fresh, 'happy' patterns give a clean, crisp appearance that will enhance any environment. Positive, pure colours are easy to mix and match for a range of striking, optimistic effects.



Surestep colour 8935 | corn

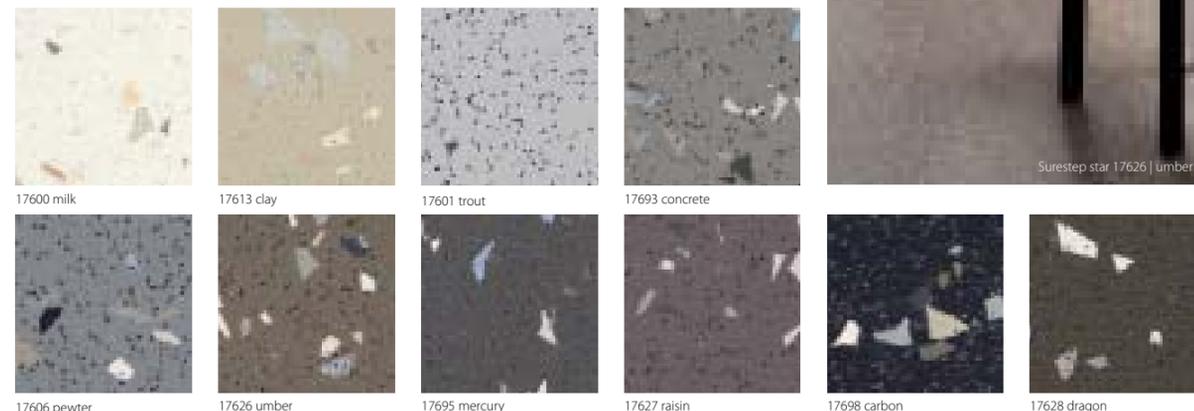
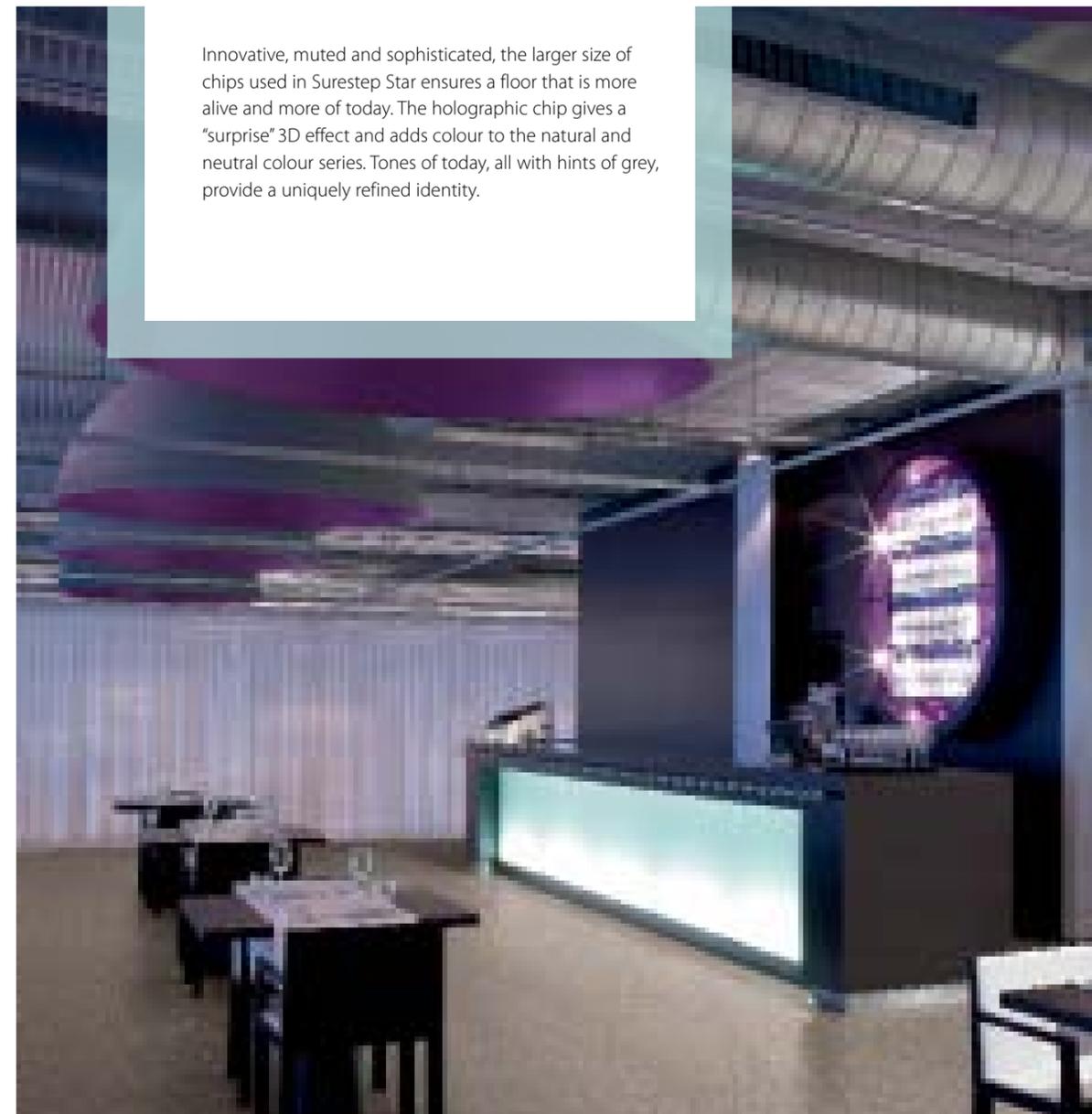


8900 snow 8935 corn 8955 pepper 8999 basalt 8994 shadow 8978 night

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

surestep[®] star

Innovative, muted and sophisticated, the larger size of chips used in Surestep Star ensures a floor that is more alive and more of today. The holographic chip gives a "surprise" 3D effect and adds colour to the natural and neutral colour series. Tones of today, all with hints of grey, provide a uniquely refined identity.

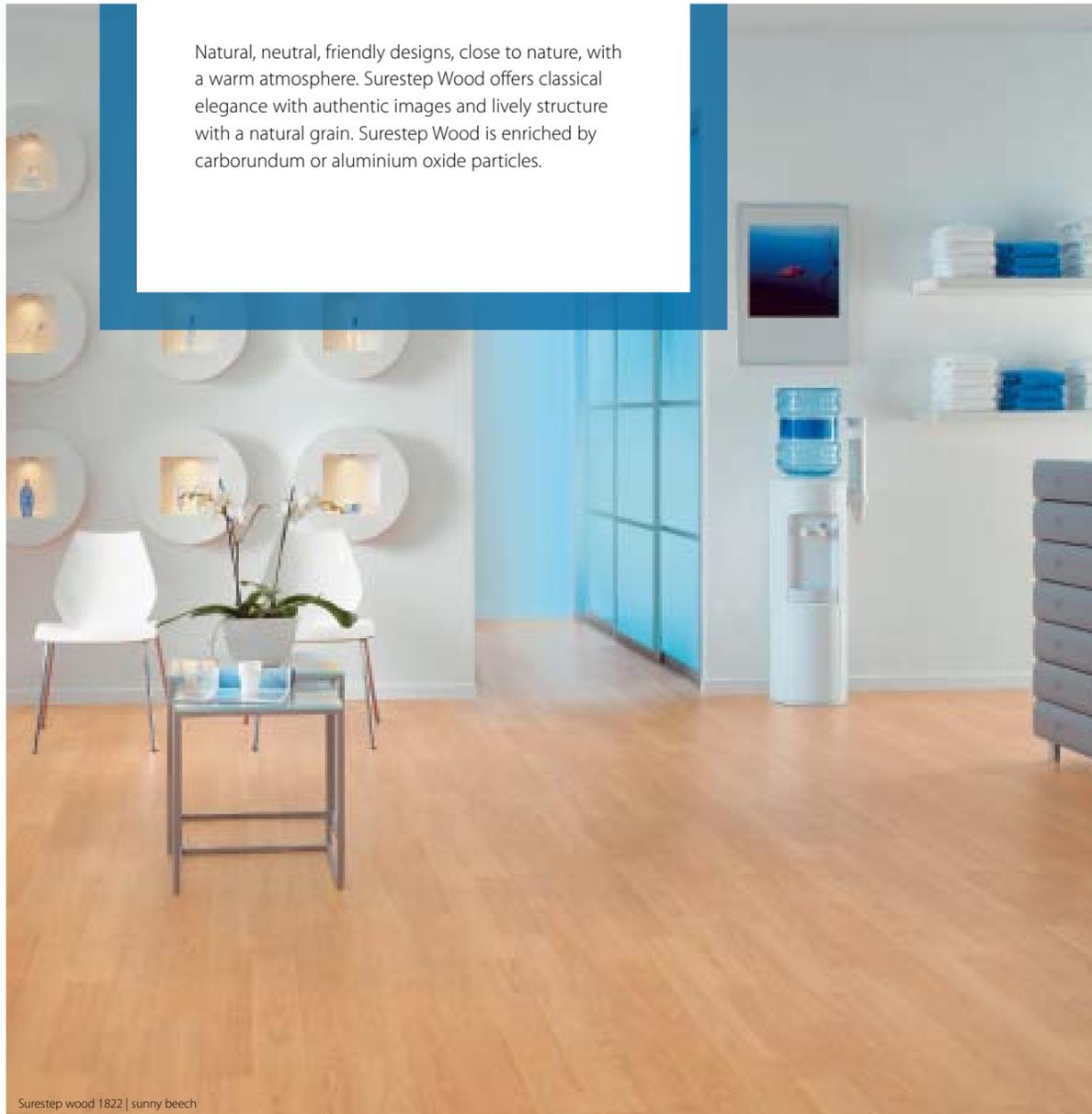


17600 milk 17613 clay 17601 trout 17693 concrete 17606 pewter 17626 umber 17695 mercury 17627 raisin 17698 carbon 17628 dragon

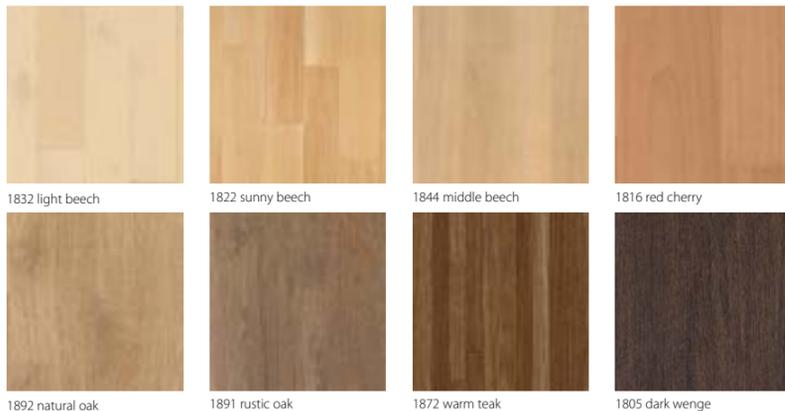
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

surestep[®] wood

Natural, neutral, friendly designs, close to nature, with a warm atmosphere. Surestep Wood offers classical elegance with authentic images and lively structure with a natural grain. Surestep Wood is enriched by carborundum or aluminium oxide particles.



Surestep wood 1822 | sunny beech



1832 light beech 1822 sunny beech 1844 middle beech 1816 red cherry
 1892 natural oak 1891 rustic oak 1872 warm teak 1805 dark wenge

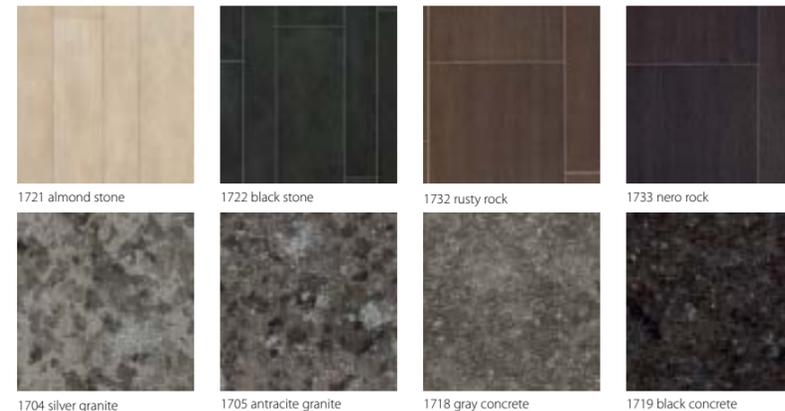
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

surestep[®] stone

Contemporary designs with a stone look, featuring a combination of all over granito and tile or tile fantasy designs. Surestep Stone's hard and solid appearance comes in straightforward stone colours, dark and light, enriched by both carborundum or aluminium oxide particles.



Surestep stone 1733 | nero rock



1721 almond stone 1722 black stone 1732 rusty rock 1733 nero rock
 1704 silver granite 1705 antracite granite 1718 gray concrete 1719 black concrete

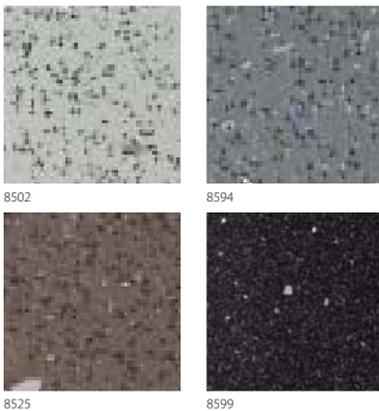
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

safestep® R11

A combination of high slip resistance and high hygienic standards, ideal for areas with a general need for enhanced slip resistance. Safe and long lasting, and with PUR coating for easy cleaning and maintenance. Available in 8 colours, all colour matched with Surestep Original.



Safestep R12 | 8502 and 8594



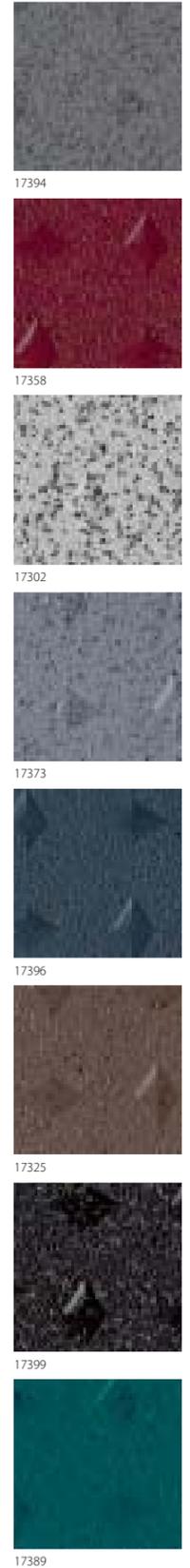
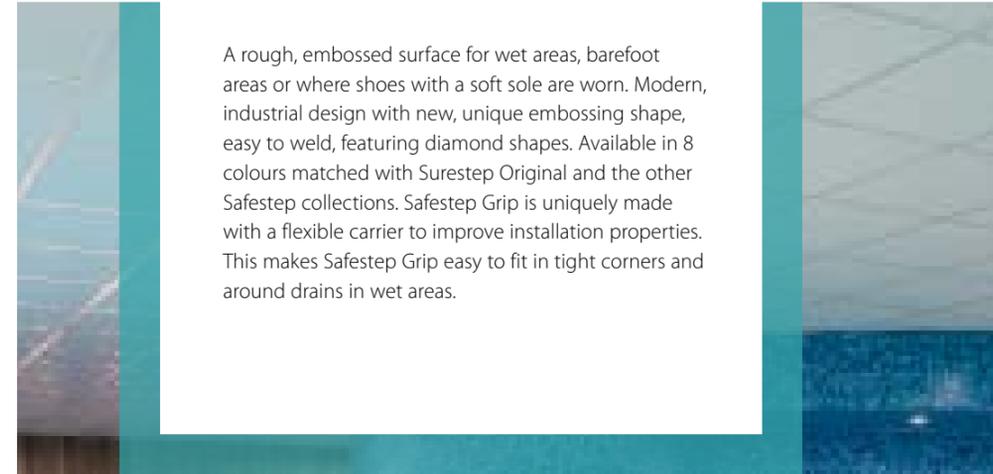
safestep® R12

Long lasting, high slip resistant R12 rated floor ensures slip resistance under even the most extreme conditions. All 4 colours matched with Surestep Original and R11 to provide continuity of colour selection across areas with different performance requirements.

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

safestep® grip

A rough, embossed surface for wet areas, barefoot areas or where shoes with a soft sole are worn. Modern, industrial design with new, unique embossing shape, easy to weld, featuring diamond shapes. Available in 8 colours matched with Surestep Original and the other Safestep collections. Safestep Grip is uniquely made with a flexible carrier to improve installation properties. This makes Safestep Grip easy to fit in tight corners and around drains in wet areas.



Safestep grip | 17394

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

acoustic

Achieving lower noise pollution is essential to reducing stress and promoting the well-being, comfort and efficiency of people working or learning. Uniquely with Forbo, in a single comprehensive collection of acoustic project vinyl floor coverings, you will find the broadest range dedicated to achieve a complete acoustic flooring solution for any application. From open plan offices, shops, schools to social housing, hospitals and reception halls.

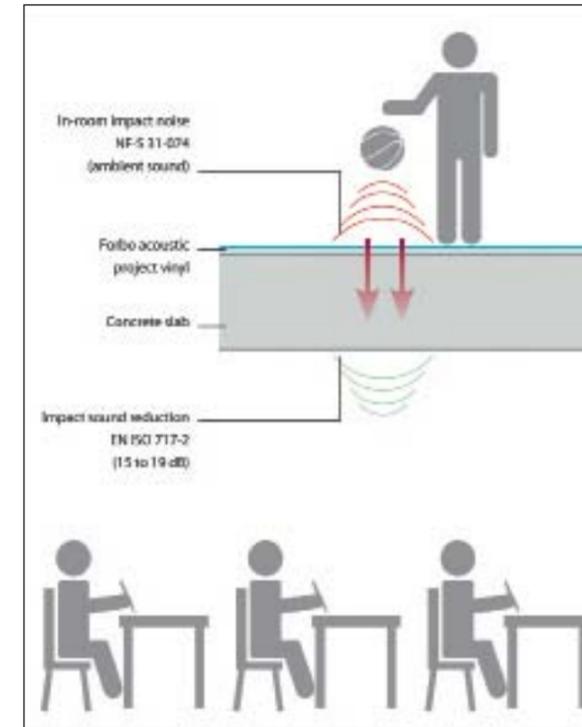


Sarlon Quartz Opus | 432605

BREEAM ratings

Acoustic Vinyl – PVC floor covering with a foam layer (EN651)

Building Type	Commercial	Education	Health	Domestic	Retail (Durability)	Retail (Fashion)	1999 Results
A	A+	A+	A	A	A+	-	-



Sarlon Quartz Opus | 432616 and 432610

The acoustic project vinyl collection is the result of decades of acoustic experience and the installation of millions of square metres in demanding project environments worldwide. Forbo Flooring is the only resilient floor manufacturer to have built an accredited on-site official acoustic test laboratory. In house testing and frequent control of products produced ensure a high and constant acoustic quality. Each product range in the collection offers truly unique solutions for high acoustic performance combined with optimal resistance to indentation. There is a choice of 103 colours and designs, making this the most comprehensive collection of its kind in the world.

The purpose of an acoustic floor covering is to contribute to reducing impact sound within a building resulting in a more comfortable environment. The floor coverings in the Forbo acoustic project vinyl collection have been developed and tested to maximise impact sound reduction while meeting the needs of heavy traffic commercial areas. Acoustic performance is determined by different criteria. Forbo acoustic project vinyls contribute to lowering noise disturbance in multiple ways.

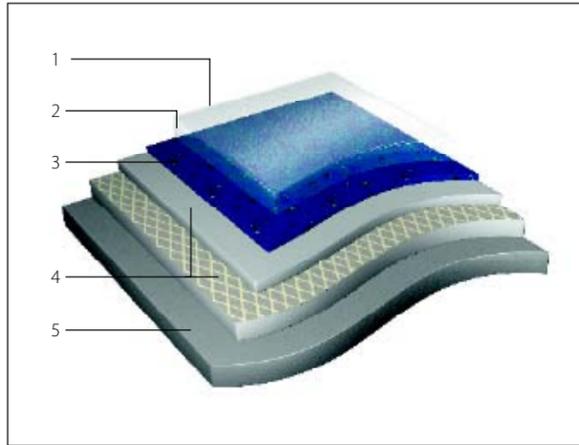
Impact sound made on the floor in one room is transmitted through the floor into rooms below.

In order to measure the impact sound reduction achieved by a floor covering, impact noise is generated with a hammer machine directly onto the concrete floor slab in an emission room and the sound level (S1) is recorded in the reception room below. The floor covering is then laid onto the concrete slab, the same impact noise is made on the floor covering, and the new sound level (S2) is recorded.

The impact sound reduction (EN ISO 717-2) is the difference, measured in decibels, between the two sound levels recorded. The impact sound reduction of Forbo's acoustic project vinyl ranges from 15 to 19 dB.

Constructions

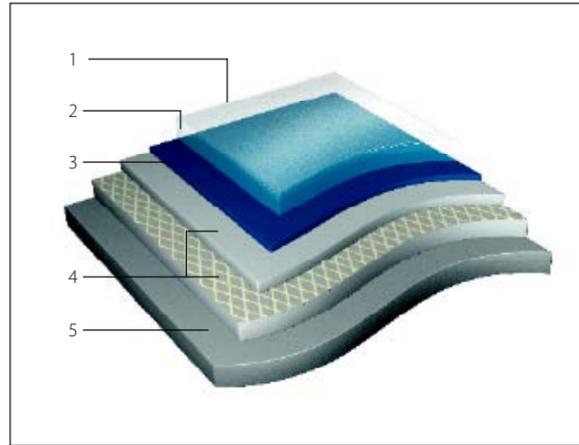
The constructions of the products in the Forbo acoustic project vinyl collection, with the inclusion of a special dense acoustic underlayer, have been developed to provide a unique combination of certified acoustic effectiveness, optimum indentation characteristics across a wide range of applications, and minimum maintenance.



sarlon® quartz

Sarlon Quartz is Forbo's innovative new collection, combining high durability from the thickest wear layer of 0.9 mm with high efficiency of stain resistance, excellent indentation rate and advanced anti-bacterial technology.

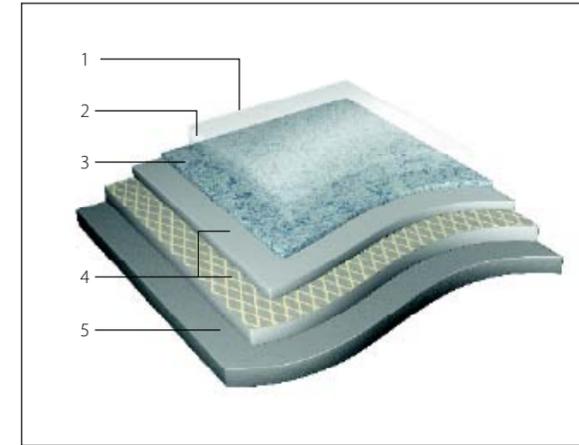
1. New PUR-lacquer (PUR+) with increased resistance to stains such as bethadine. It enables easy and cost effective cleaning.
2. The pure PVC wear layer of 0.9 mm – abrasion group T – makes Sarlon Quartz extremely hard wearing and resistant to scratches. The wear layer contains silver ions for everlasting bacteriostatic properties.
3. Non directional design printed with environmentally friendly waterbased inks.
4. Double compact layer with non woven glass fibre carrier for excellent dimensional stability and optimal resistance to indentation at 0.08 mm.
5. Bacteriostatically treated foam backing providing high acoustic performance: impact sound reduction of 17 dB.



sarlon® traffic

Sarlon Traffic provides the highest acoustic performance – an impact sound reduction of 19 dB – along with an impressive array of design and colour combination possibilities.

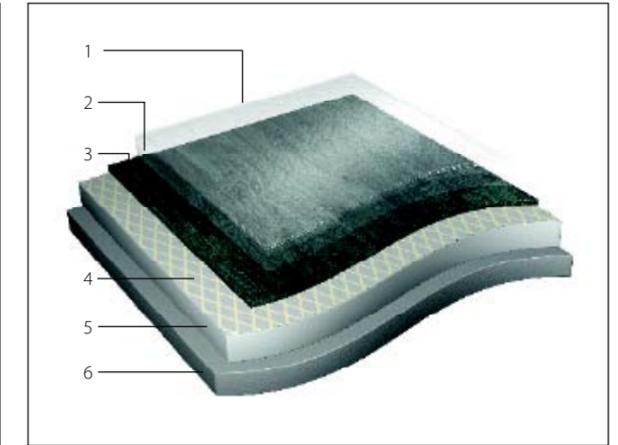
1. PUR protection offering very efficient stain resistance; makes any waxing unnecessary and enables easy and cost effective maintenance.
2. Embossed pure PVC wear layer of 0.67 mm – abrasion group T – with excellent resistance to scratches and intensive traffic, offering optimal protection to the design.
3. Non directional design printed with environmentally friendly waterbased inks.
4. Double compact layer with non woven glass fibre carrier for excellent dimensional stability and resistance to indentation of 0.12 mm.
5. Bacteriostatically treated foam backing achieving an outstanding impact sound reduction of 19 dB with high comfort underfoot.



sarlon® tech

Sarlon Tech offers the best residual indentation performance with an R10 anti-slip rating and an impact sound reduction of 15 dB.

1. PUR protection offering very efficient stain resistance; makes any waxing unnecessary and enables easy and cost effective maintenance.
2. Pure PVC wear layer of 0.7 mm – abrasion group T – with a mineral embossing pattern making subfloor imperfections less visible and providing anti-slipping rate R10. Extremely high resistance to heavy traffic.
3. Non directional design printed with environmentally friendly waterbased inks.
4. Double compact layer with non woven glass fibre carrier for excellent dimensional stability and unique performance to residual indentation at 0.06 mm.
5. Bacteriostatically treated foam backing achieving an impact sound reduction of 15 dB; the density of the foam backing eases rolling of heavy loads.



eternal® wood decibel

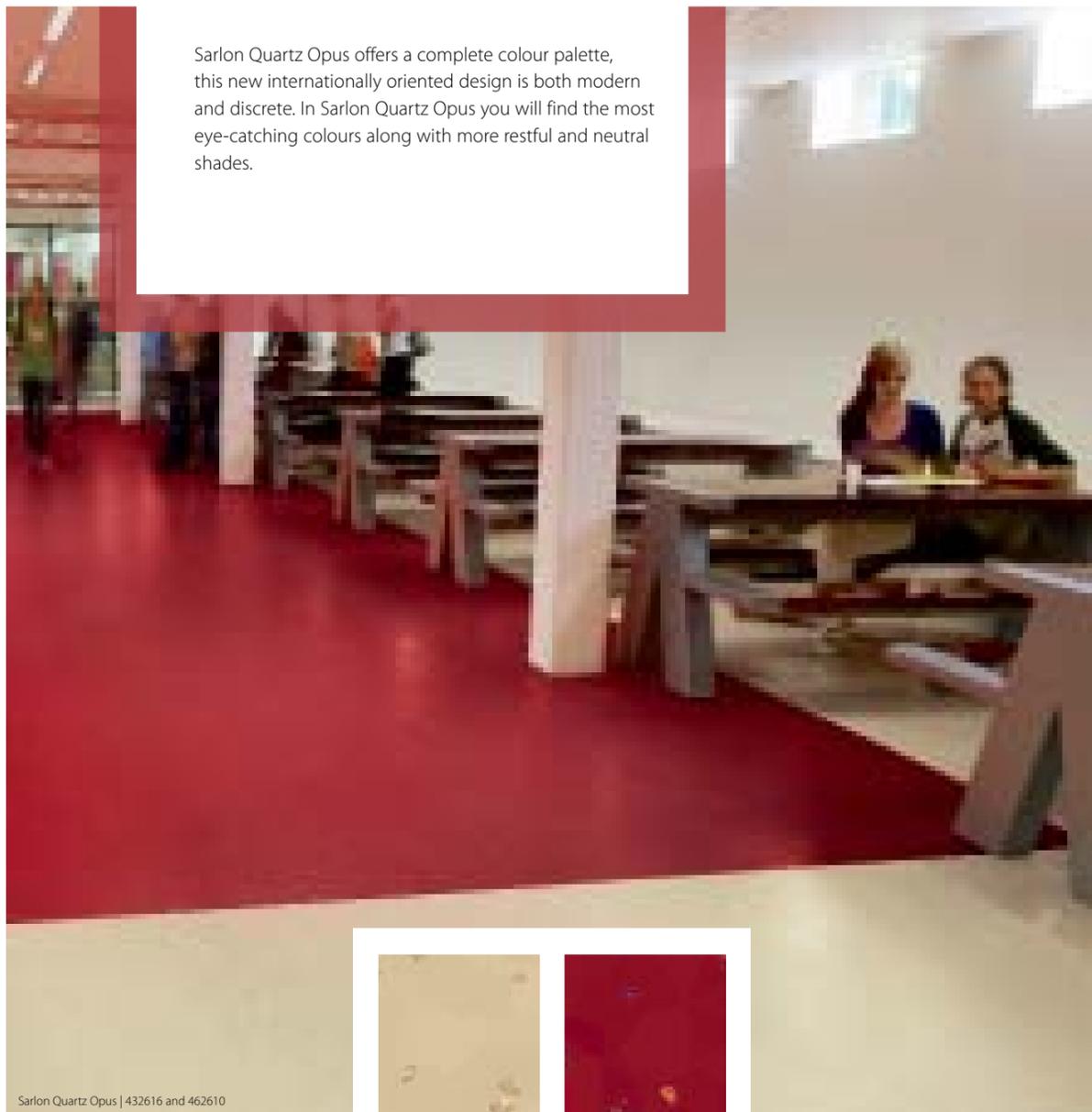
Eternal wood decibel, with a 17 dB impact sound reduction, features natural designs ideal for creating a warm, inviting atmosphere and offers R10 anti-slip rating.

1. PUR Pearl™ lacquered surface gives the floor its superior appearance while reducing scratch and dirt visibility and offering excellent cleaning properties. Slip resistance rating: R10.
2. The pure PVC wear layer of 0.7 mm provides extreme durability protecting the design layer from intensive use.
3. Environmentally friendly, water-based inks used for printing ensure colours remain vibrant throughout the whole lifetime of the floor covering.
4. Fully impregnated glass fleece carrier makes the flooring stable and provides residual indentation of 0.12 mm.
5. Calandered compact backing for additional stability.
6. Foam backing achieving impact sound reduction of 17 dB.

sarlon® quartz opus

17 dB

Sarlon Quartz Opus offers a complete colour palette, this new internationally oriented design is both modern and discrete. In Sarlon Quartz Opus you will find the most eye-catching colours along with more restful and neutral shades.

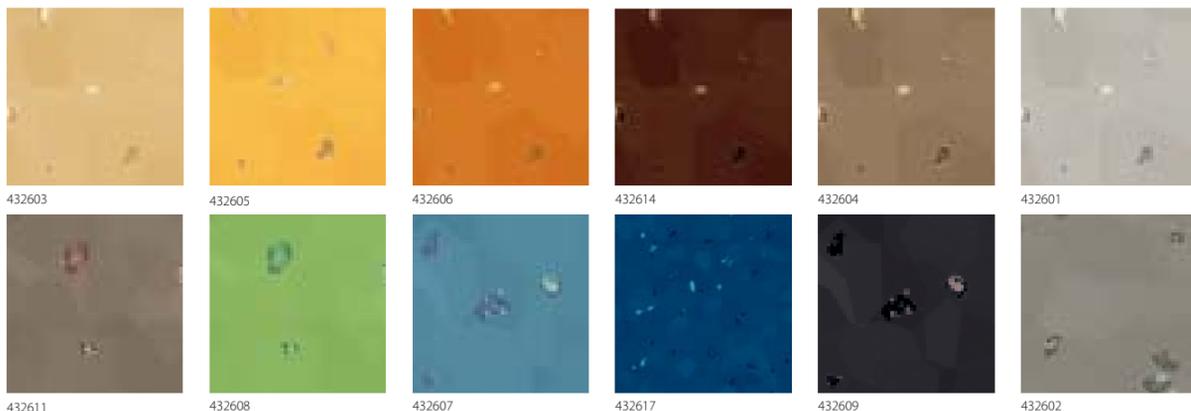


Sarlon Quartz Opus | 432616 and 462610



432610

432616



432603

432605

432606

432614

432604

432601

432611

432608

432607

432617

432609

432602

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

sarlon® traffic caldeira

19 dB

Caldeira has a rounder graphic character, referring back to nature. The colours are soft, except for very clear colours designed specially for projects where children will be present.



Sarlon traffic caldeira | 43637, 43636, 43635



43630

43605

43603

43602

43612

43609

43635

43666

43636

43656

43638

43637

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

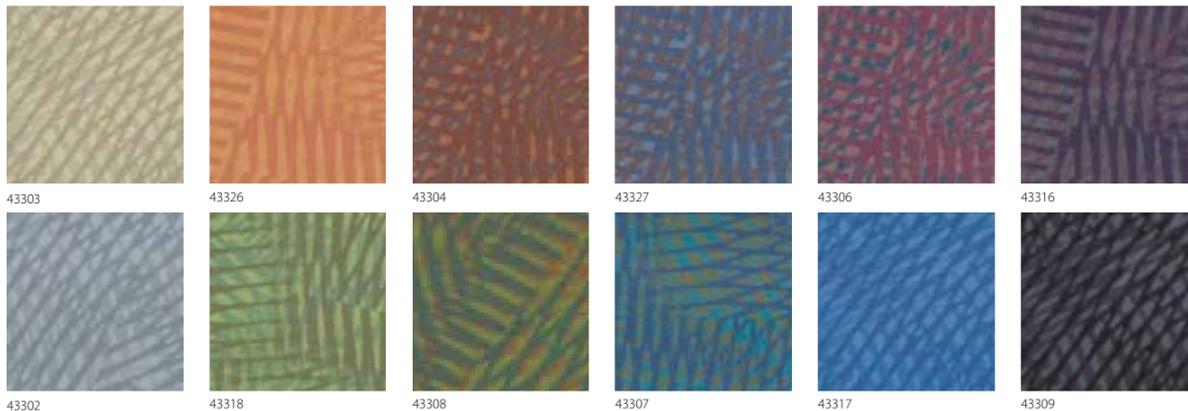
sarlon® traffic boreal

19 dB

Sarlon Traffic Boreal approaches the contemporary urban domain, offering a colour range permitting both multiple co-ordination and more classic tone-on-tone matching.



Sarlon traffic boreal | 43308

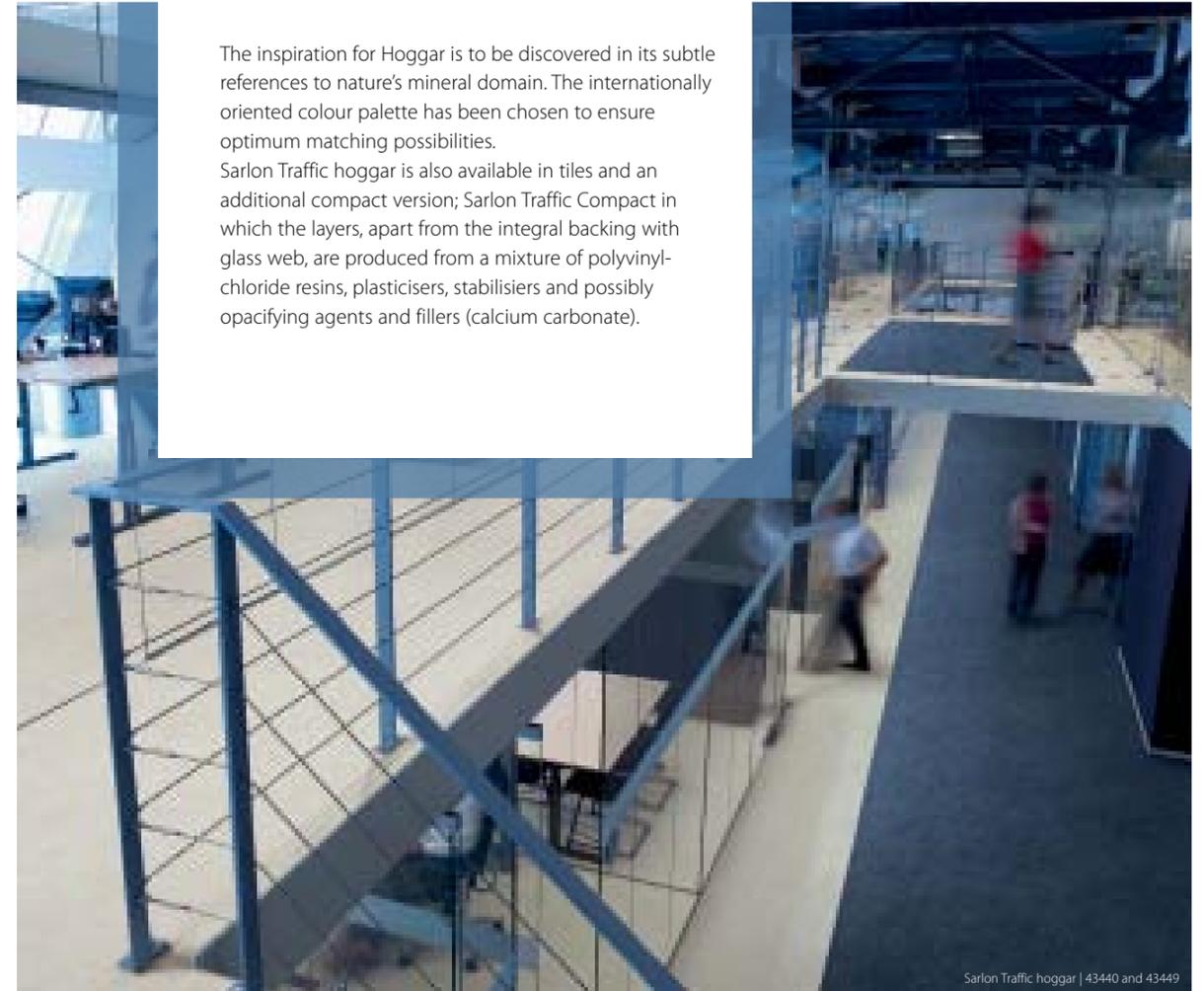


Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

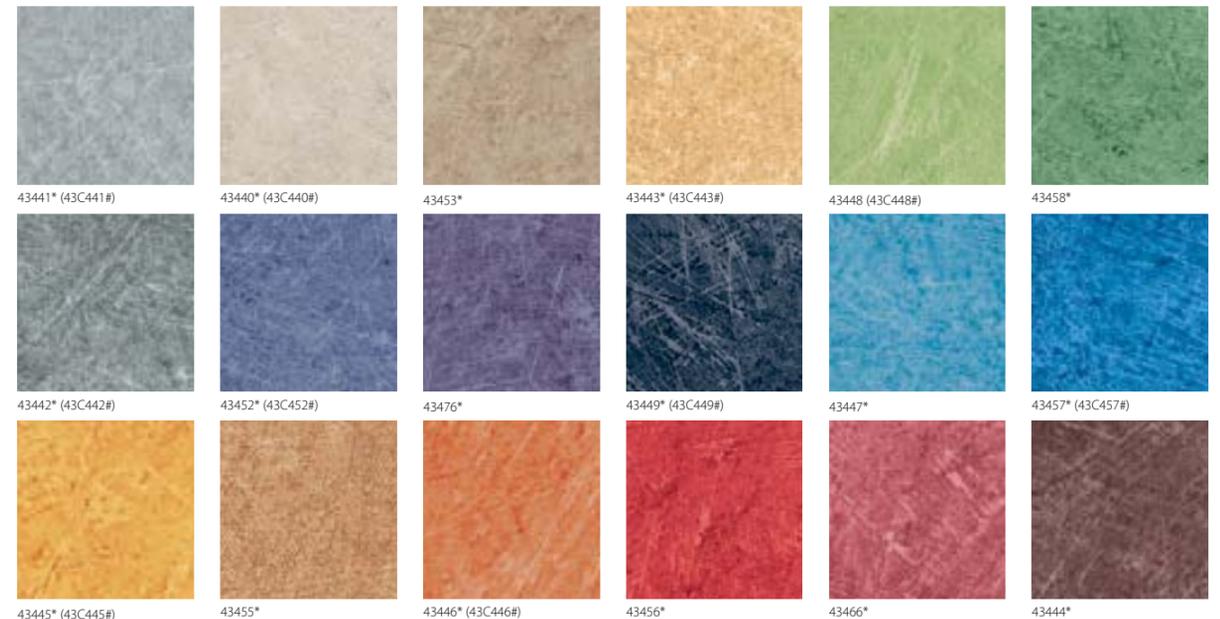
sarlon® traffic hoggar

19 dB

The inspiration for Hoggar is to be discovered in its subtle references to nature's mineral domain. The internationally oriented colour palette has been chosen to ensure optimum matching possibilities. Sarlon Traffic hoggar is also available in tiles and an additional compact version; Sarlon Traffic Compact in which the layers, apart from the integral backing with glass web, are produced from a mixture of polyvinyl-chloride resins, plasticisers, stabilisers and possibly opacifying agents and fillers (calcium carbonate).



Sarlon Traffic hoggar | 43440 and 43449



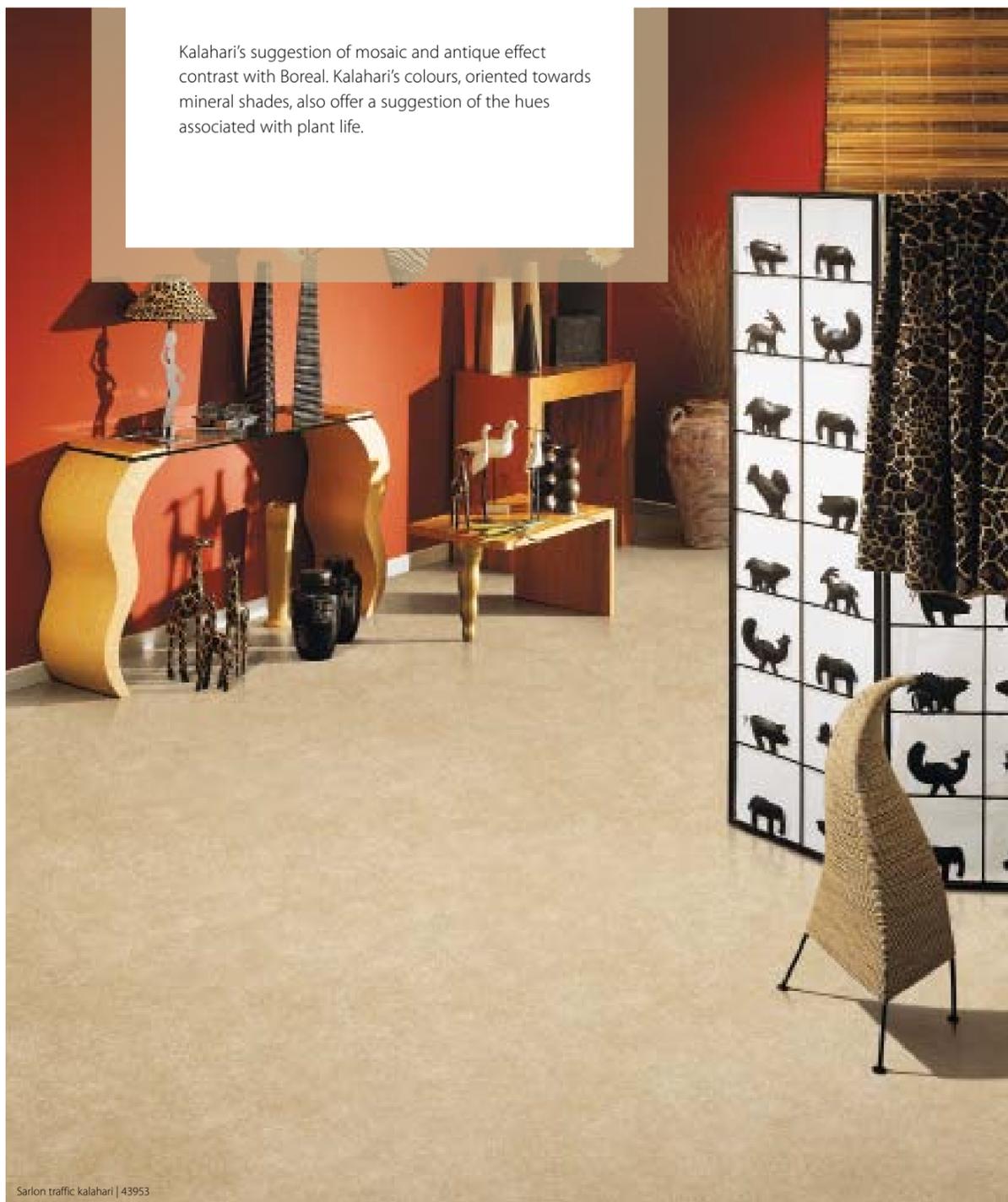
Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

* Also available in tiles # Traffic Compact

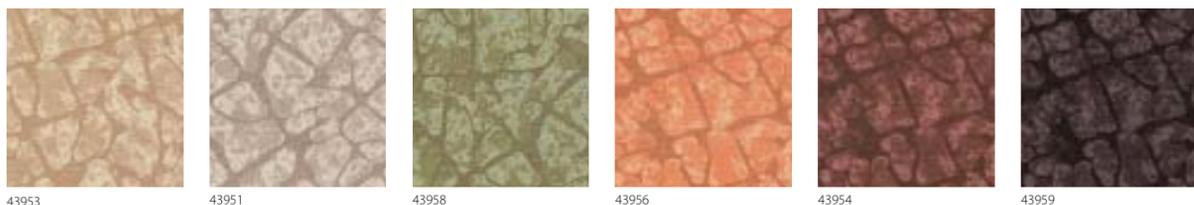
sarlon® traffic kalahari

19 dB

Kalahari's suggestion of mosaic and antique effect contrast with Boreal. Kalahari's colours, oriented towards mineral shades, also offer a suggestion of the hues associated with plant life.



Sarlon traffic kalahari | 43953



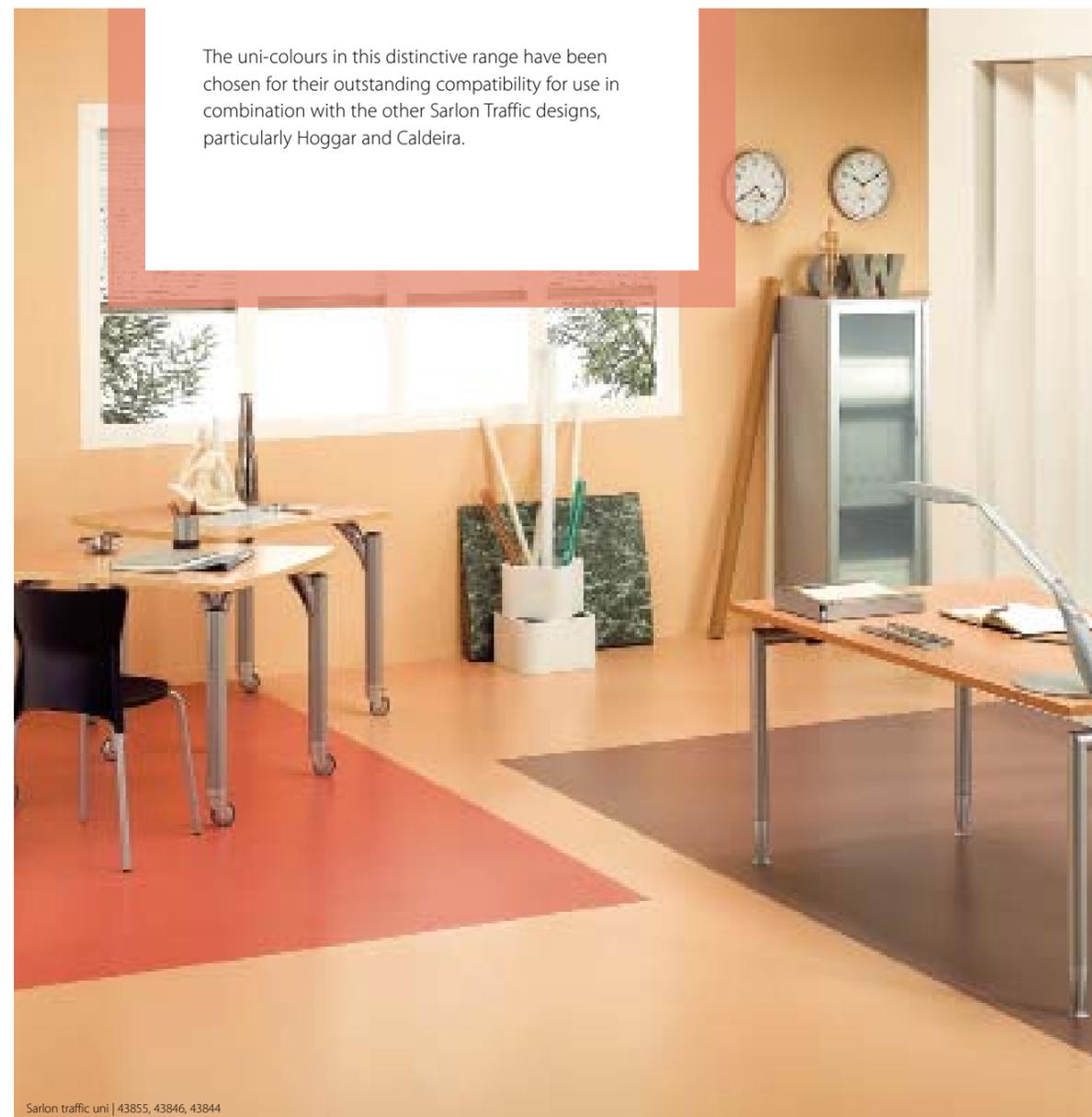
43953 43951 43958 43956 43954 43959

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

sarlon® traffic uni

19 dB

The uni-colours in this distinctive range have been chosen for their outstanding compatibility for use in combination with the other Sarlon Traffic designs, particularly Hoggar and Caldeira.



Sarlon traffic uni | 43855, 43846, 43844



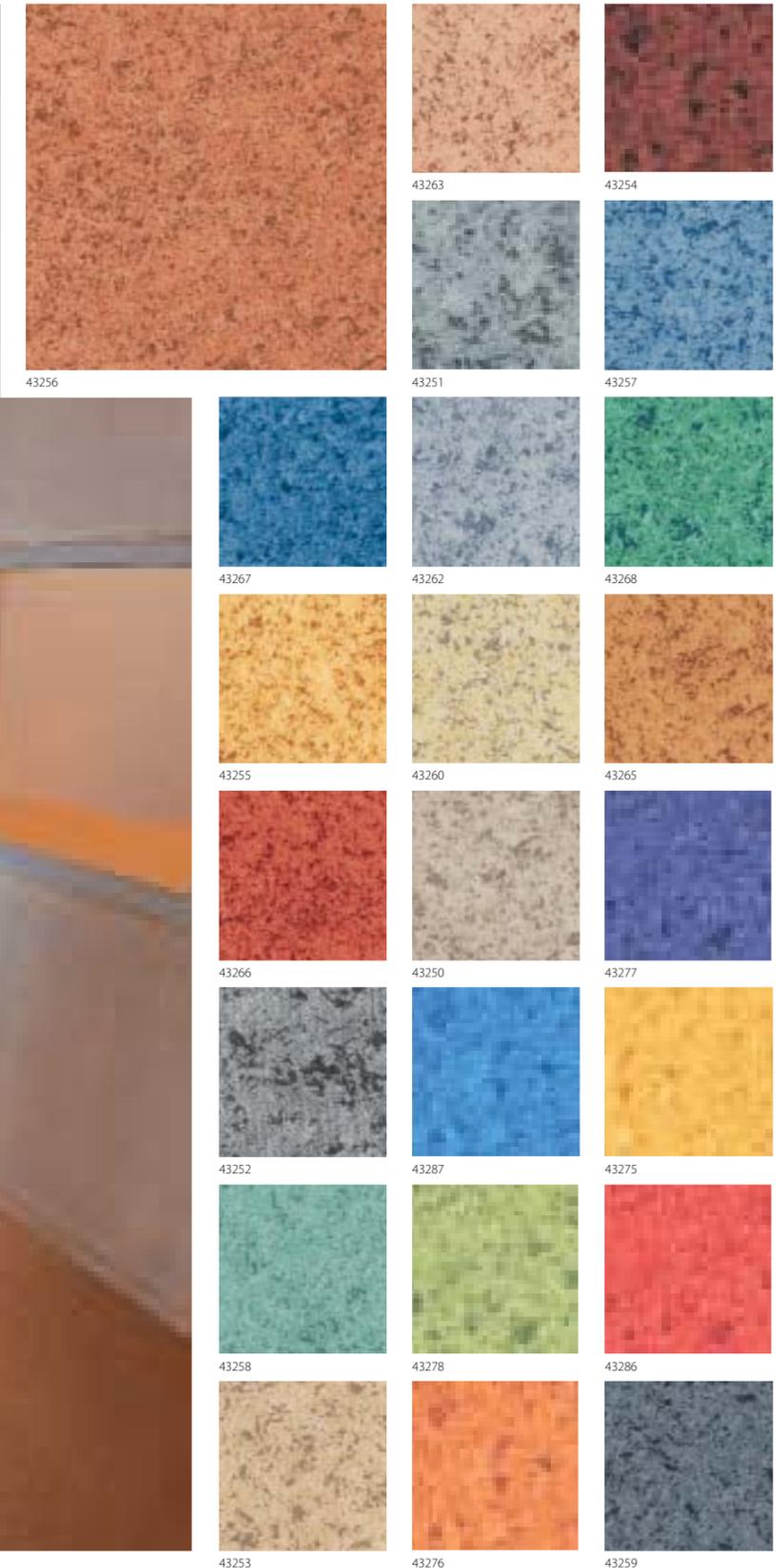
43855 43846 43844 43842 43852 43849
43845 43836 43856 43866 43857 43808

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

sarlon® tech canyon

15 dB

Presenting a strong graphic visual appeal inspired by natural mineral textures and colours, Sarlon Tech Canyon's appearance and surface texture have been developed to make any residual indentation less visible.

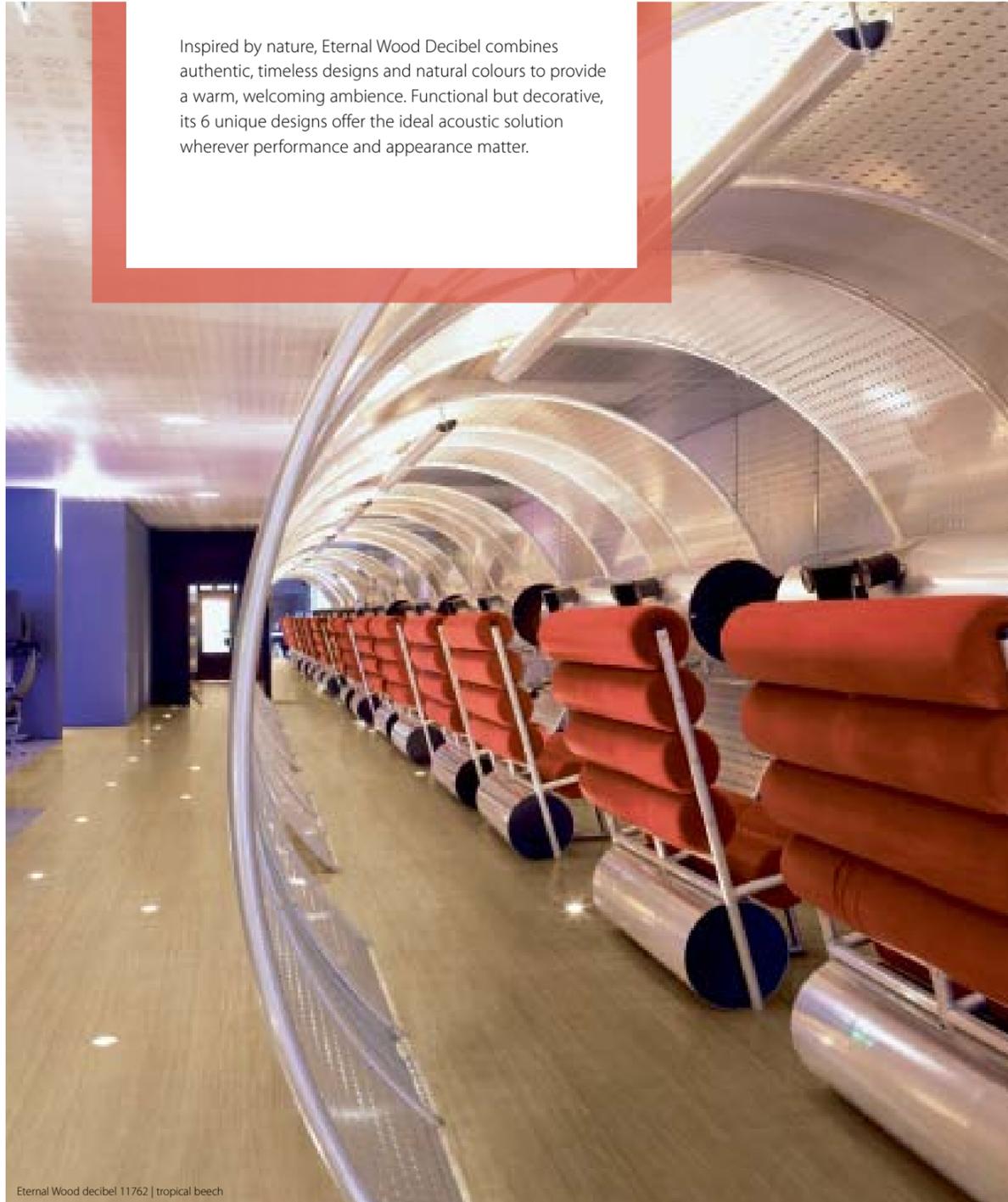


Sarlon tech canyon | 43265

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

eternal[®] wood decibel 17 dB

Inspired by nature, Eternal Wood Decibel combines authentic, timeless designs and natural colours to provide a warm, welcoming ambience. Functional but decorative, its 6 unique designs offer the ideal acoustic solution wherever performance and appearance matter.



Eternal Wood decibel 11762 | tropical beech



11762 (11562#) Tropical beech

11432 (11442#) Washed beech

11552* (11542#) Traditional oak

11532 (11512#) Natural oak

12792* (12722#) Small-plank teak

11822* (11522#) Black oak

Eternal Wood Compact

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

wetroom solution

Forbo offer vinyl floor and wall coverings specifically designed for wetroom applications in homes, hospitals, schools, offices and leisure facilities. This type of system provides no breeding ground for bugs and bacteria, such as MRSA, overcoming infection control concerns that may be associated with traditional tile & grout.

Forbo's Safestep grip floorcovering has been designed to complement the Onyx vinyl wallcovering, which combine to ensure a completely watertight finish. Both ranges can also be colour co-ordinated with Forbo's other project vinyl ranges, including STEP, Smaragd, Eternal and Sarlon.



Safestep grip | 17394

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

safestep grip

A rough, embossed surface for wet areas, barefoot areas or where shoes with a soft sole are worn. Modern, industrial design with new, unique embossing shape, easy to weld, featuring diamond shapes. Available in 8 colours matched with Surestep Original and the other Safestep collections. Safestep Grip is uniquely made with a flexible carrier to improve installation properties. This makes Safestep Grip easy to fit in tight corners and around drains in wet areas.



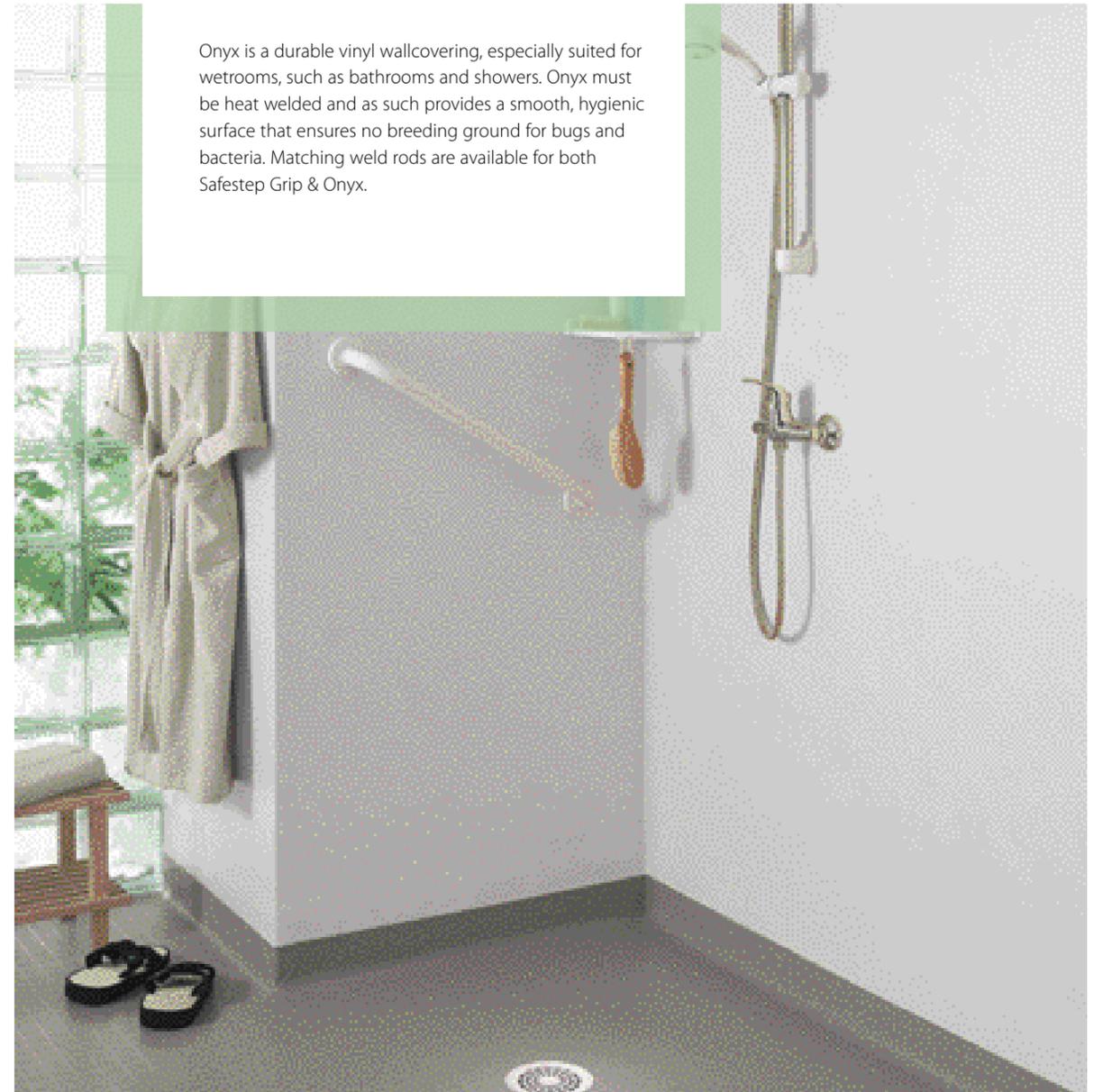
Safestep grip | 17394



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

wetroom solution onyx

Onyx is a durable vinyl wallcovering, especially suited for wetrooms, such as bathrooms and showers. Onyx must be heat welded and as such provides a smooth, hygienic surface that ensures no breeding ground for bugs and bacteria. Matching weld rods are available for both Safestep Grip & Onyx.



Onyx | 23539



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

floorink

Floorink is a revolutionary printed vinyl flooring that presents a dramatic and bespoke opportunity to create one off flooring designs that are focal points for interiors. Choose from thousands of images that are licensed and ready to be reproduced or design your own floor. Whatever the type, size, scale or complexity of design statement Floorink delivers pin sharp and vivid images as a result of 6 colour, 600 dpi (high resolution) digital printing protected by a transparent durable vinyl wear layer which is commercially guaranteed for 10 years.



Clapham Manor Primary School, London featuring A-Z Maps

Photography

Supply your favourite high resolution photograph and have it reproduced on Floorink or commission photography of a local beauty spot or landmark and bring it to you via Floorink. Alternatively choose from many wonders of the world as shot by National Geographic photographer George Steinmetz or browse the images available via Blue Sky (suppliers of images to Google Maps).

Maps

Whether it be a bright, modern tube map or a centuries old vintage map – content partners such as A-Z and Cassini maps can help create any location underfoot.

Abstract

Choose from a selection of abstract creations developed by the likes of unconventional Dutch artist Gaby Gaby or design your own floor. Start with only an idea of what you would like and either have the artwork sourced or created for you.

Illustration

Working with illustrator or vector files create something which reflects branding or the function of your interior spaces. Exploit typography to create stand out.

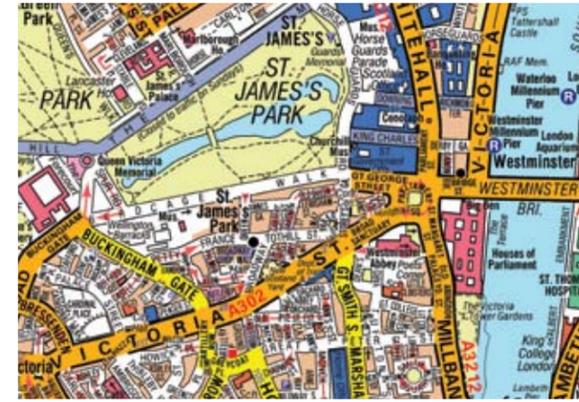
Bespoke

If what you would like to achieve is not covered by these categories or visible on any stock image library – just ask – Floorink can match your imagination.

For more information on Floorink or to request samples contact **0207 553 9300**

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Maps (A-Z, Vintage, Arial)



Photography (Creative partner: George Steinmetz, National Geographic)



Abstract (Creative partner: Gaby Gaby, Dutch designer & artist)



Illustration (Circuit board vector designed for server room)



Bespoke (Millennium Bridge temporary installation)



Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Project vinyl technical specifications

eternal

Technical specifications

Eternal meets the requirements of ISO 10582 and EN 649

	Total thickness	ISO 24346 / EN 428	2.0 mm
	Wear layer thickness	ISO 24340 / EN 429	0.7 mm
	Collection size		113
	Commercial use	ISO 10874 / EN 685	34 very heavy
	Industrial use	ISO 10874 / EN 685	43 heavy
	Roll width	ISO 24341 / EN 426	2.00 m
	Roll length	ISO 24341 / EN 426	± 25 m
	Total weight	ISO 23997 / EN 430	2.8 kg/m ²
	Dimensional stability	ISO 23999 / EN 434	< 0.1 %
	Residual indentation	ISO 24343-1 / EN 433	≤ 0.05 mm
	Abrasion resistance	EN 660-2	group T
	Castor chair continuous use	ISO 4918 / EN 425	no effect
	Light fastness	ISO 105-B02	≥ 6
	Flexibility	ISO 24344 / EN 435	ø 10 mm
	Resistance to chemicals	ISO 26787 / EN 423	very good
	Slip resistance	DIN 51130	R10
	Electrical resistance	EN 1081	R1 > 1·10 ⁹ Ω
	Suitable for floor heating		Yes*
	Wetroom certification	EN 13553	Yes

All Eternal products meet the requirements of EN 14041

	Reaction to fire	EN 13501-1	B _g -s1
	Slip resistance	EN 13893	DS - μ ≥ 0.30
	Body voltage	EN 1815	≤ 2 kV
	Thermal conductivity	EN 12524	0.25 W/m·K

*Temperature < 30 °C

Service products

As a total flooring solutions provider, Forbo offers a collection of products to complement the installation, finishing and maintenance of our products. An optimal assortment of adhesives, levelling compounds, primers, welding rods, subfloors and installation tools can be offered. To give the floor the finishing touch, we provide a collection of skirtings, profiles and stair nosings.

To ensure the floor remains in good condition in all circumstances, we also offer cleaning and maintenance products and entrance mats.

For more information please contact your sales office or visit www.forbo-flooring.co.uk

The above information is subject to modifications for the benefit of further improvements.

allura

Technical specifications

Allura design vinyl tiles meet the requirements of EN 649

		Allura Premium	Allura Ceramics	Allura 0.55	
	Total thickness	EN 428	2.5 mm	2.5 mm	2.2 mm
	Commercial use	EN 685	34 very heavy	34 very heavy	33 heavy
	Industrial use	EN 685	43 general	43 general	42 light general
	Collection size		95	12	40
	Wearlayer thickness	EN 429	0.7 mm	2.5 mm homogeneous	0.55 mm
	Tile size	EN 427	50x50 / 60x37.5 cm	61.5x61.5 cm	50x50 / 60x37.5 cm
	Plank size	EN 427	100x15 / 120x20 / 130x25 / 100x25 cm	-	100x15 / 120x20 cm
	Total weight	EN 430	ca 3600 g/m ²	ca 3200 / 4000g/m ²	ca 3150 gr/m ²
	Packaging per carton tiles		3.0 m ² (12 pcs) / 3.2 m ² (14 pcs)	4.2 m ² (11 pcs)	3.0 m ² (12 pcs) / 3.2 m ² (14 pcs)
	Packaging per carton planks		3.0 m ² (20 pcs) / 2.9 m ² (12 pcs) / 3.3 m ² (10 pcs) / 3.0 m ² (12 pcs)	-	3.0 m ² (20 pcs) / 2.9 m ² (12 pcs)
	Squareness and straightness	EN 427	< 400 mm < 0.25 mm > 400 mm < 0.35 mm	< 0.35 mm	< 400 mm < 0.25 mm > 400 mm < 0.35 mm
	Abrasion resistance	EN 660	group T	group M	group T
	Slip resistance	DIN 51130	R10	R9	R10
	Acoustical impact noise reduction	EN ISO 717-2	6 dB	3 dB	5 dB
	Castor chair continuous use	EN 425	Superior	Superior	Very good
	Residual indentation	EN 433	≤ 0.04 mm	≤ 0.04 mm	≤ 0.04 mm
	Light fastness	ISO 105-B02	≥ 6	> 6	≥ 6
	VOC emissions	AgBB/DIBT	Suitable for indoor applications	Suitable for indoor applications	Suitable for indoor applications
	Resistance to chemicals	EN 423	Very good	Excellent	Very good
	Dimensional stability (after exp. to heat)	EN 434	≤ 0.05%	≤ 0.05%	≤ 0.010%
	Heat insulation	EN 12664	0.0145 m ² K/W	-	0.0122 m ² K/W
	Heat dissipation	DIN 52614	W1 36 KJ/m ² / W10 240 KJ/m ²	W1 35 KJ/m ² / W10 220 KJ/m ²	W1 44 KJ/m ² / W10 270 KJ/m ²
			EN 14041		
	All Allura products meet the requirements of EN 14041				
	Reaction to fire	EN 13501	B ₁ -s1	B ₁ -s1	B ₁ -s1
	Slip resistance	EN 13893	DS - μ > 0.30	DS - μ > 0.30	DS - μ > 0.30
	Thermal conductivity	EN 12524	0.25 W/m ² K	0.24 W/m ² K	0.25 W/m ² K
	Body voltage	EN 1815	< 2 kV	< 2 kV	< 2 kV

The quality and environmental management system of Forbo Coevorden B.V. (NL) and Forbo Giubiasco S.A. (CH) where Forbo Allura is manufactured are certified in accordance with ISO 9001 and ISO 14001



Forbo LVT 0.55

Technical specifications

Forbo LVT 0.55 meets the requirements of EN 649

	Total thickness	EN 428	2.2mm
	Thickness of wear layer	EN 429	0.55mm
	Collection size		15
	Classification	EN 685	Class 33
		EN 685	Class 42
	Tile size	EN 427	50 x 50cm
	Plank size		120 x 20cm / 150 x 25cm
	Total weight	EN 430	ca. 3150g/m ²
	Packaging per carton tiles		3.0 m ² = 12 pcs
	Packaging per carton planks		3.1m ² = 13 pcs / 3.0m ² = 12 pcs
	Squareness and straightness	EN 427	< 400mm < 0.25mm < 400mm < 0.35mm
	Abrasion resistance	EN 660-1	Group T
	Slip resistance	DIN 51130	R10
	Acoustical impact noise reduction	EN ISO 717-2	5 dB
	Castor chair continuous use	EN 425	Superior
	Residual indentation	EN 433	≤ 0.04mm
	Light fastness	ISO 105-B02	Blue scale 6/7
	Resistance to chemicals	EN 423	Very good
	Dimensional stability	EN 434	≤ 0.10%
	Heat insulation	EN 12664	0.0122m ² K/W
	Heat dissipation	DIN 52614	W1 44 / W10 270
	Adhesive		Emucol 540 special vinyl (solvent free) Eurestar 640 special vinyl EC-1 (low emission)
			EN 14041
	Forbo LVT 0.55 meets the requirements of EN 14041		
	Resistant to fire	EN 13501-1	B ₁ s1
	Slip resistance	EN 13893	DS ≥ 0.3
	Thermal conductivity	EN 12524	0.25 W/m ² K
	Body voltage	EN 1815	≤ 2 kV

flex design

Technical specifications

Allura design vinyl tiles meet the requirements of EN 651

	Total thickness	EN 428	5 mm
	Thickness of wearlayer	EN 429	1 mm
	Collection size		22
	Commercial very heavy	EN 685	Class 34
	Light industrial general	EN 685	Class 42
	Tile Size	EN 427	50 x 50 cm
	Plank Size		100 x 20 cm
	Squareness and straightness	EN 427	≤ 400 mm: ≤ 0.25 mm ≥ 400 mm: ≤ 0.35 mm
	Total weight	EN 430	ca. 6550 gr/m ²
	Packaging per carton: tiles		2.5 m ² = 10 pcs
	Packaging per carton: planks		2.0 m ² = 10 pcs
	Abrasion resistance	EN 660-1	Group T
	Slip resistance	DIN 51130	R10
	Acoustical impact noise reduction	EN ISO 717-2	12 dB
	Castor chair continuous use	EN 425	Superior
	Residual indentation	EN 433	≤ 0.13 mm
	Light fastness	ISO 105-B02	Blue scale 6/7
	Resistance to chemicals	EN 423	Very good
	Dimensional stability	EN 434	≤ 0.10%
	Heat insulation	EN 12664	0.0257 m ² K/W
	Heat dissipation	DIN 52614	W1:37 / W10:230

colorex[®] concept

Technical specifications

	Classification	EN 649	34,43
	Collection size		29
	Total thickness	EN 649	2,8 mm
	Tile size(s)	EN 427	610 x 610 mm
	Weight	EN 430	3,8 kg/m ²
	Slip resistance	EN 13813 - dry surfaces DIN 51130	0,6 R9
	Fire rating	EN 13501-1	B _s ,s1
	Wheel resistance (group)	EN 660-1	group III
	Castor chair resistance	EN 425	No effect
	Residual indentation	EN 433	0,035 mm
	Colour fastness	EN 20105-B02 method 3	7-8
	Thermal conductivity	ISO 5085-1	0,027 W/Km (suitable for floor heating systems)
	Chemical resistance	EN 423	Excellent (details available upon request)
	Dimension stability	EN 434	0,15% lengthwise/widthwise
	Biocidal and hygienic behavior	SNV 195.920 SNV 195.921	Yes

The above information is subject to modifications on the basis of further requirements.

colorex[®] SD/EC

Technical specifications

		SD	EC
 Classification	EN 685	34/43	34/43
 CE-marking	EN 14043	compliant	compliant
 Collection size		29	35
 Roll thickness	EN 428	2,8 mm / 3,0 mm*	2,8 mm / 3,0 mm*
 Tile size(s)	EN 427	610 x 610 mm 615 x 615 mm** 613 x 1226 mm*	610 x 610 mm 615 x 615 mm** 613 x 1226 mm*
 Weight	EN 430	3,2 kg/m ²	3,2 kg/m ²
 Electrical resistance	IEC 61348-4-1	10 ⁹ ≤ R ≤ 10 ¹⁰ Ω	5 x 10 ⁹ ≤ R ≤ 10 ¹⁰ Ω
	IEC 61348-4-5**	-	7,5 x 10 ⁹ ≤ R ≤ 3,5 x 10 ¹⁰ Ω
	EN 1081	R ≤ 10 ¹⁰ Ω	R ≤ 10 ¹⁰ Ω
	ANSI/ESD STM 7.1**	10 ⁹ ≤ R ≤ 10 ¹⁰ Ω	2,5 x 10 ⁹ ≤ R ≤ 10 ¹⁰ Ω
	ANSI/ESD STM 97.1	-	7,5 x 10 ⁹ ≤ R ≤ 3,5 x 10 ¹⁰ Ω
 Body voltage protection	IEC 61348-4-5	< 70V	< 30V
	ANSI/ESD STM 97.2**	< 70V	< 30V
 Clustering	ISO 9001:2015	ISO-9001 results available upon request	
	EN 13419-2	SWDC: 64µg/m ² in 28 days	
 Slip resistance	EN 13893-slip resistant DIN 51130	µ: R,6 RS	µ: R,6 RS
 Fire rating	EN 13501-1	B _s d1	B _s d1
 Wear resistance	EN 660-1	group III	group III
 Caster chair resistance	EN 425	No effect	No effect
 Residual friction	EN 433	0,035 mm	0,035 mm
 Colour fastness	EN 20185-B02 method 3	7-8	7-8
 Thermal conductivity	DIN 5085-1	0,107 W/Km (suitable for floor heating systems)	
 Chemical resistance	EN 423	Excellent (results available upon request)	
 Dimension stability	EN 434	0,05% longitudinal/contract	0,05% longitudinal/contract
 Microbiological and biological behavior	SNV 195.920 SNV 195.921	yes yes	yes yes
 Ease of surface disinfection	DIN 25415 Part 1 ISO 18310	Excellent Excellent	Excellent Excellent

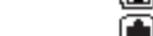
* available upon request, maximum may apply ** see also sheet

The above information is subject to modifications for the benefit of further improvements.

colorex[®] plus

Technical specifications

This homogeneous project vinyl product meets the requirements of EN 649

		BT	A9	EC
 Classification	EN 685	34/43	34/43	34/43
 Collection size		1	5	5
 Roll thickness	EN 428	10 mm	10 mm	10 mm
 Tile size(s)	EN 427	612x1 cm	612x1 cm	612x1 cm
 Weight	EN 430	10,8 kg/m ²	11,5 kg/m ²	11,5 kg/m ²
 Electrical resistance	DIN 51953	-	-	5 x 10 ⁹ Ω ≤ 10 ¹⁰ Ω
 Body voltage protection	ISO STM 97.2	< 2 kV	< 2 kV	< 0,1 kV
 Slip resistance	DIN 51130	RS1	RS	RS
 Fire rating	EN 13501-1	B _s d1	B _s d1	B _s d1
 Impact sound reduction	EN ISO 717-2	12 dB	12 dB	12 dB
 Wear resistance (group)	EN 660-1	-	M	M
 Caster chair resistance	EN 425	No effect	No effect	No effect
 Residual friction	EN 433	< 0,04 mm	< 0,04 mm	< 0,04 mm
 Colour fastness	ISO 105-B02	7-8	7-8	7-8
 Thermal conductivity	DIN 52612	0,011 W/Km	0,011 W/Km	0,011 W/Km
 Chemical resistance	EN 423	Good resistance	Good resistance	Good resistance
 Dimension stability	EN 434	0,05%	0,05%	0,05%

The above information is subject to modifications for the benefit of further improvements.

colorex[®] welltech

Technical specifications

Colorex Welltech meets the requirements of EN 649

Colorex Welltech meets the requirements of EN 649		Colorex Welltech EC
	Total thickness EN 428	2.0 mm
	Collection size	6
	Commercial very heavy EN 685	34
	Industrial general EN 685	43
	Tile size EN 427	610 x 610 mm
	Total weight EN 430	3.2 kg/m ²
	Dimensional stability EN 434	0.05 %
	Residual indentation EN 433	0.010 mm
	Abrasion resistance EN 660-1	Group P
	Castor chair EN 425	No effect
	Light fastness EN 20 105-B02	≥6
	Resistance to chemicals EN 423	Excellent
	VOC emissions AgBB / DIN	Suitable for indoor applications
	Slip resistance DIN 51130	R9
	Electrical resistance EN 1081 (R1; R2) IEC 61340-4-1	$5 \times 10^4 \leq R \leq 1 \times 10^6 \Omega$
	Body voltage IEC 61340-4-5	< 30 V
	Thermal conductivity EN 12524	0.28 W/(mK)



Colorex Welltech EC meets the requirements of EN 14941

	Reaction to fire EN 13501-1	CF1 – s1
	Slip resistance EN 13893	DS – μ > 0.50
	Static electrical propensity EN 1815	< 2 kV
	Electrical resistance EN 1081	< 1 x 10 ⁶ Ω

Colorex Welltech meets the requirements of the Marine Equipment Directive 96/98/EC, as amended



The above information is subject to modifications for the benefit of further improvements

step[®]

Technical specifications

Step meets the requirements of EN 649 and EN 13845

	EN 649	EN 13845	EN 649	EN 13845	EN 649	EN 13845
Thickness	2.0 mm					
Thickness type	2.0 mm					
Collection size	6	6	6	6	6	6
Commercial very heavy	34	34	34	34	34	34
Industrial general	43	43	43	43	43	43
Tile size	610 x 610 mm					
Total weight	3.2 kg/m ²					
Dimensional stability	0.05 %	0.05 %	0.05 %	0.05 %	0.05 %	0.05 %
Residual indentation	0.010 mm					
Abrasion resistance	Group P					
Castor chair	No effect					
Light fastness	≥6	≥6	≥6	≥6	≥6	≥6
Resistance to chemicals	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
VOC emissions	Suitable for indoor applications					
Slip resistance	R9	R9	R9	R9	R9	R9
Electrical resistance	$5 \times 10^4 \leq R \leq 1 \times 10^6 \Omega$	$5 \times 10^4 \leq R \leq 1 \times 10^6 \Omega$	$5 \times 10^4 \leq R \leq 1 \times 10^6 \Omega$	$5 \times 10^4 \leq R \leq 1 \times 10^6 \Omega$	$5 \times 10^4 \leq R \leq 1 \times 10^6 \Omega$	$5 \times 10^4 \leq R \leq 1 \times 10^6 \Omega$
Body voltage	< 30 V					
Thermal conductivity	0.28 W/(mK)					

Acoustic

Technical specifications

Sarlon Quartz, Sarlon Tech, Sarlon Traffic and Eternal Wood Decibel meet the requirements of EN 651

		Sarlon Quartz	Sarlon Tech	Sarlon Traffic	Traffic Blue	Eternal Wood Decibel	
	Total thickness	EN 428	3.4 mm	2.6 mm	3.4 mm	4.1 mm	3.4 mm
	Thickness wear layer	EN 428	0.9 mm	0.7 mm	0.67 mm	0.67 mm	0.7 mm
	Type		Sheet	Sheet	Sheet	Tile	Sheet
	Collections		14	23	60	18	6
	Commercial very heavy	EN 685	Class 34				
	Industrial general	EN 685	Class 42				
	Roll width	EN 426	2.00 m	2.00 m	2.00 m		2.00 m
	Roll length	EN 426	25 m	25 m	25 m		20 m
	Tile size	EN 427					50 cm x 50 cm
	Packaging						less of 20 pcs
	Total weight	EN 438	3 kg/m ²	2.7 kg/m ²	2.8 kg/m ²	3.8 kg/m ²	3.1 kg/m ²
	Dimension stability	EN 434	< 0.1 %	< 0.1 %	< 0.1 %	< 0.1 %	< 0.1 %
	Electrical resistance	EN 423	0.08 mm ²	0.05 mm ²	0.12 mm ²	0.20 mm ²	0.12 mm ²
	Abrasion resistance	EN 668-1	Group T				
	Castor chair continuous use	EN 425	No effect				
	Light surfaces	EN ISO 105 B-02	7	7	7	7	7
	Flexibility	EN 425	≥ 10 mm	≥ 10 mm	≥ 10 mm	n.a.	≥ 10 mm
	Resistance to chemicals	EN 423	Excellent	Very good	Very good	Very good	Very good
	Slip resistance	DIN 51130	R11	R10	R9	R9	R11
	Suitable for floor heating		yes**	yes**	yes**	yes**	yes**
	Impact sound reduction	EN ISO 717-2	17 dB	15 dB	16 dB	17 dB	17 dB
	In-room impact noise	EN 531-824	L _{n,AP,N} < 65 dB, class A				
	Electrostatic treatment		Permanent metallic	Metallik	Metallik	Metallik	Metallik
	Surface treatment		PUR*	PUR	PUR	PUR	PUR Pearl*
	Increased fire resistance		yes	yes	yes	yes	no

Sarlon Quartz, Sarlon Tech, Sarlon Traffic and Eternal Wood Decibel meet the requirements of EN 14041



		EN 13501-1	B _{s-1}	B _{s-1}	C _{s-1}	C _{s-1}	B _{s-1}
	Reaction to fire	EN 13501-1	B _{s-1}	B _{s-1}	C _{s-1}	C _{s-1}	B _{s-1}
	Slip resistance	EN 13845	DS a: R30				
	Body voltage	EN 1815	≤ 2kV				
	Thermal conductivity	EN 12524	0.25 W/mK				

* Typical value
** Temperature < 25 °C

Service products

As a total flooring solutions provider, Forbo offers a collection of products to complement the installation, finishing and maintenance of our products. An optimal assortment of adhesives, levelling compounds, primers, welding rods, sealants and installation tools can be offered. To give the floor the finishing touch, we provide a collection of strikers, profiles and stair nosings.

To ensure the floor remains in good condition in all circumstances, we also offer cleaning and maintenance products and entrance mats.

wetroom solution

Technical specifications

EN649		safestep grip	wetroom solution onyx		
Property	Test method	Safestep grip floorcovering	Onyx wallcovering		
	Classification	EN 685	34 & 43	EN 259	Heavy Duty
	Roll length	EN 426	20-27 lm	EN 426	20-27lm
	Roll width	EN 426	2.0m	EN 426	2.0m
	Total thickness	EN 428	2.0mm	EN 428	0.9mm
	Wear layer thickness	EN 429	0.7mm	EN 429	0.1mm
	Mass per unit area	EN 430	2.9kg/m ²	EN 430	1.5kg/m ²
	Residual indentation	EN 433	0.02mm*	n/a	
	Dimensional stability	EN 434	< 0.2%	n/a	
	Wear resistance	EN-660-1	Group T.	n/a	
	Effect of castor chair	EN 425	Unaffected.	n/a	
	Flexibility	EN 435	ø 10mm without cracking.	n/a	
	Colour fastness to artificial light	ISO 105 B02 met3	7	ISO 105 B02 met3	7
	Chemical resistance	EN 423	Very good	EN 423	Good
	Electrical resistance	EN 1858 (R1; R2)	> 10 ⁹ Ω		
	Surface finish		PUR		
	CE EN 14041				
	Fire resistance	EN 13501-1	Class Bfl S1	EN 13501	B-S2, d0
	Slip resistance	DIN 51130 EN 13845 Annex C DIN 51097 Pendulum Test Surface Roughness	R10 ESb Class C ≥ 36 Low slip risk** ≥ 20 microns		
	Body voltage	EN1815	< 2kV		
	Thermal conductivity	EN12524	< 0.25 W/mK		

* Typical value
** UK Slip Resistance Group guidelines (wet test)

Floorink

Technical specifications

Floorink meets the requirements of EN 653

		Domestic	Commercial
 Total thickness	EN 428	2,40 mm	3,00 mm
 Domestic heavy	EN 685	 Class 23	 Class 23
 Commercial heavy	EN 685	 Class 31	 Class 33
 Light industrial general	EN 685		 Class 42
 Thickness wear layer	EN 429	0,25 mm	0,70 mm
 Roll width	EN 426	400/300/200	400/200 cm
 Roll length	EN 426	30 m	25 m
 Total weight	EN 430	ca. 1950 gr/m ²	ca. 2400 gr/m ²
 Abrasion	EN 660 Group T	Excellent	Excellent
 Slip resistance	DIN 51130	R10	R10
 Acoustical impact noise reduction	EN 20140-8/EN 20717-2	16 dB	ca. 17 dB
 Castor chair continuous use	EN 425	Very good	Superior
 Indentation residual	EN 433	< 0,20 mm	< 0,15 mm
 Light fastness	EN 20 105 B 02	Blue scale 6/7	Blue scale 6/7
 Resistance to chemicals	EN 423	Very good	Very good
 Dimension stability	EN 434	< 0,10%	< 0,10%
 Heat insulation	DIN EN 12664	0,0264 m ² K/W	0,03 m ² K/W
 Heat dissipation	DIN 52614	W1:39 / W10: 210	W1:35 / W10:200
These products meet the requirements of EN 14041			
 Reaction to fire	EN 13501-1	B _{fl} S ₁	B _{fl} S ₁
 Slip resistance	EN 13893	Class DS	Class DS
 Thermal conductivity	EN 12524	0,25 W/m ² K	0,25 W/m ² K
 Body voltage	EN 1815 IEC 1340-4-1	no discomfort from static electricity	no discomfort from static electricity

The quality and environmental management system of Forbo-Novilon B.V. (NL) where Novilon is manufactured, is certified in accordance with ISO 9001 and ISO 14001.



The next step

This brochure has been designed to give you a brief overview of the extensive range of resilient flooring products supplied by Forbo Flooring Systems. More detailed literature is available on all the product ranges shown.

We're committed to providing the very highest standards of customer service and we look forward to being of further assistance to you. Our friendly team of advisors and sales managers can give you all the advice and technical assistance you might need to specify the most appropriate combination of Forbo products for your next flooring project.

Please contact
info.flooring.uk@forbo.com
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Tel: 0800 731 2369

Or visit our showroom:
London EC1 Showroom
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Tel: 0207 553 9300

Opening hours:
Monday - Friday 9.00 am - 5.00 pm



Forbo's EC1 showroom is the ideal place to visit when you're looking for that 'perfect colour' or just want to see a wider range of products.

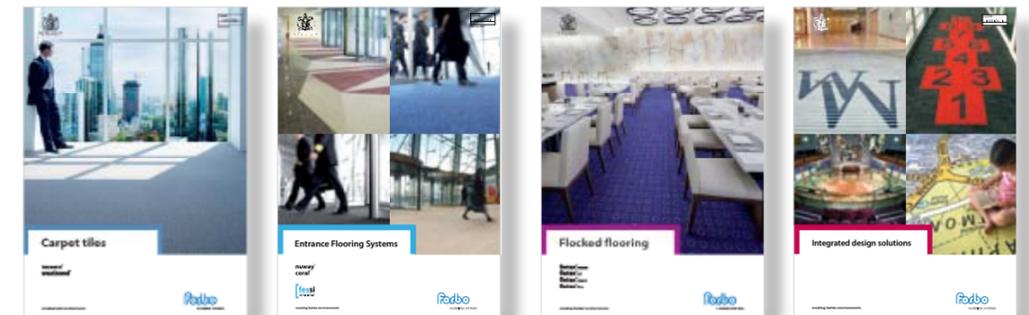
Our full portfolio of brands is on display including Tessera and Westbond carpet tiles, Marmoleum, project vinyl ranges, entrance systems and brand new designs from our Flotex collection.

Why not pop in and enjoy some hospitality while looking at the products or discussing a project with one of our advisors.

We look forward to seeing you.



Integrated brochures available



Carpet tile: Tessera and Westbond

Entrance Systems: Coral and Nuway

Flocked Flooring: Flotex Sheet, Flotex Tile and Flotex Sottsass

Integrated Design Solutions

The information in this brochure is correct at the time of going to press. Forbo Flooring UK Limited reserves the right to make changes to the specification and colour of its products from time to time and goods supplied may not conform exactly to those shown in this brochure. Collection updates and content may be updated quarterly.

Please note: Digital representations may vary from the actual product. Please order a sample to see the full effect. Contact 0800 731 2369.

Forbo Flooring Systems is part of the Forbo Group, a global leader in flooring, bonding and movement systems, and offers a full range of flooring products for both commercial and residential markets. High quality linoleum, vinyl, textile, flocked and entrance flooring products combine functionality, colour and design, offering total flooring solutions for any environment.



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creating better environments

Forbo
FLOORING SYSTEMS