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THE NEXT GENERATION OF MARMOLEUM

Forbo presents the Next Generation of Marmoleum

Take a fascinating look into the world of colours and designs. Marmoleum was created to complement and enhance the architecture interiors of tomorrow's buildings and construction.

With this collection, Marmoleum takes a definitive step toward giving you the best properties for optimal floor performance in the real world. Healthy flooring solutions inspired by nature that live up to their performance promise.

Create a better environment. Choose a Marmoleum floor. Creating a new perspective. Forbo Marmoleum stands for versatility, sustainability and durability. It combines ecological and economic values that help bring modern and contemporary architecture to life.

Marmoleum is a natural floor, created from all natural ingredients. It is the most sustainable floor in the resilient flooring category.

All Marmoleum floors now include Topshield2, a double UV cured finish delivering floor performance in the real world, that result in the lowest cost of ownership over its life time.

The stereotype of traditional beige and grey marbled linoleum designs is in the past. Our new collections offer a wide choice in colour and design with rich, warm, refined and contemporary looks. Marmoleum has been transformed for the modern office and retail environments.

Welcome to the new world of linoleum and the next generation of Marmoleum.



- The second

AUTHENTIC & VERSATILE

The lowest cost of ownership

Linoleum has a 150-year heritage and is the first resilient flooring ever created. Whether architects are looking for a traditional or more modern design, they use Marmoleum for new projects and building renovations, including hospitals, schools, art galleries or museums, airports or designer shops. No matter the application, Marmoleum is versatile will either modestly support the area or stands out as a real eye catcher.

SUSTAINABLE AND DURABLE

The most sustainable resilient floor

Created from natural, renewable materials, one could say that as long as the sun shines and the rain falls we will be making Marmoleum. There are no additives in Marmoleum that make it look better. It is, in fact, green through and through. Combine this with long cleaning and maintenance intervals, and there is no doubt that Marmoleum is the most sustainable resilient floor, with the lowest cost of ownership.

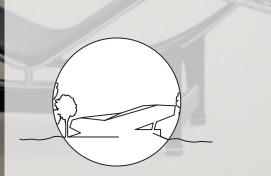


DESIGN & COLOUR

A new design direction

The breadth of our colour and design range is unrivalled. No other flooring collection offers you so many choices. And, with an inspiring new collection and new design direction, you'll see Marmoleum in a whole new light – including our marbled collection's astonishing new colour bank.





Creating a dialogue with Architecture and Design

There probably has not been a flooring Marmoleum, from the origin of their type that has become so interlinked with the architecture of the 20th century as Marmoleum. In the development of functional architecture, the past these chairs connected to Marmoleum flooring has been chosen for both aesthetical and functional reasons. That's because it has the characteristics of being an original material, much like wood or stone, and not the characteristics of an engineered or artificial floor. Marmoleum has a specific character of its own that created a number of evergreens in resilient flooring.

Rietveld, Le Corbusier, Jacobsen and Eames all have their connection to first design classics to today's many remakes that have turned their designs into true furniture icons. In the traditional uni Walton floors. Today they do even better with our modern Marmoleum Concrete floors.

DESIGN ICONS & EVERGREENS



Celebrating 150 years of Linoleum



Frederick Walton discovered linoleum and patented its manufacturing process in 1863.

It's quite remarkable that a product, discovered in the days of gas lights and horse-drawn carriages, is still used in applications for which it was originally designed, such as flooring in health care and educational facilities.

Linoleum has found its way in an incredible large number of buildings all over the world. It was the dining hall flooring for the infamous Alcatraz prison in San Francisco, CA, as well as the elegant White House in Washington, DC. Not to be outdone, linoleum is also installed in the Kremlin in Moscow, the German Reichstag and Buckingham Palace. Even Amsterdam's Anne Frank house (1938) featured linoleum, as did Sorbonne University and the institute of Madame Curie. Still today many public buildings world wide from the new opera house in Olso or the latest tribal art museum from Jean Nouvelle Marmoleum remains a classic that is loved by architects because of its authenticity and versatility.

One of the expressions of modernism in the arts, crafts and architecture was created through the German Bauhaus institute, which settled in Dessau in 1925. Bauhaus, for many, is the origin of modern architecture that spread from Europe to North America and all over the world. A Forbo Marmoleum classic -"Berlin red" - still can be seen in the restored Bauhaus.



 Taking care of your floor A selection of some of the 450 men and women that create Marmoleum in our Assendelft (NL) and Kirkcaldy (GB/Scotland) manufacturing facilities.

The craft of manufacturing linoleum has evolved over the last 150 years. Forbo has been driving this development by creating its Marmoleum brand.

Making Marmoleum is an art, which is not learned at any trade or craft school. In fact, only a handful of people know how to make Marmoleum.

The process begins by growing flax. The flax plant - besides being a source for the textile and paper industry - is known for the production of linseed. When pressed, the linseed produces linseed oil, the basic ingredient for Marmoleum. The linseed oil is then mixed with tree rosin. When subjected to a certain temperature, the two ingredients create linoleum cement, a sponge like base for Marmoleum.

Adding wood flour, limestone and pigments create a granule mixture that passes through various production steps before ending up on a large conveyor belt that leads to an impressive calander press.

Here, in two separate production passes, the marbled, speckled, uni or striped designs are created as the mixture is pressed and infused into the jute fibre backing.

From the calander the Marmoleum sheet is transported to massive drying rooms. The material, often 18 kilometres in length, is left to dry before receiving a final, protective Topshield2 treatment and finish layer.

Determining the correct mixture of ingredients, allowing the right time for raw materials to settle, applying the correct temperature and pressure all skills Marmoleum Experts must master.

We are proud of our experts, as they take pride in creating every piece of Marmoleum.

Sustainable & Durable

With its 'all-natural ingredients', Marmoleum flooring is almost like creating a floor covering with nutrients. As a matter of fact, the process of making Marmoleum is not unlike to that no supplements to enhance its green of preparing an oven-baked apple pie.

What makes Marmoleum special is that it is created entirely from raw materials obtained from their natural habitat right where they grow and renew, often in just 12 months time.

Jute and flax are annual crops that can be harvested just like wheat or corn. Extracting rosin is a continuous process, while wood flour, a waste material from the timber industry, is derived from European production forests. Limestone during production. This demonstrates is available in abundance.

With Marmoleum, the simple, natural ingredient combination that creates the product. Marmoleum has no other additives to make it look better, profile and no artificial ingredients to improve stability or flexibility. Marmoleum is what it is and nothing else.

All this makes Marmoleum a natural floor that, after a long 30-plus year life cycle, can start all over again. Marmoleum can be scrapped, since it's biodegrade. Alternatively, burning Marmoleum delivers a higher caloric value and creates thermal energy that outweighs the energy used the full life cycle circle from which nature benefits.











Linseed

Lime stone

Wood flour



Optimal Life Cycle Assessment & Environmental Product Declarations

At Forbo we believe an open, honest and transparent approach to demonstrating a sustainable attitude is the only way to show the credits we attribute to our products and processes. Life Cycle Assessment (LCA) is a methodology we use to determine and measure the impact on the environment of any product during its creation, use and what remains when a product reaches its end of life by measuring a set number of impact categories.

The Environmental Product Declaration (EPD) is the outcome of the LCA, which is published in a 3rd party verified report on a particular product. The EPD for Marmoleum verifies our claims and gives transparent insights into our test results and measurements.















Environmental Stewardship

Marmoleum is manufactured in a state-of-the-art environment where the traditional manufacturing process has been automated in efficient production lines that are run entirely on green energy. At Forbo, we actively steer our processes toward continuous improvement, maximizing the use of recycled content in our Marmoleum and working with green design principles whenever new designs or structures are developed.

Marmoleum installation waste take- back schemes

In many of our markets we have now introduced a network to take make material from previous installations. The cuts and scraps are collected and returned to our factory. On a smaller scale, in our sampling, we take the same approach. This way, we can do our best to assure full-circle recycling even at points where our product reaches customers.

Labels and Certification, recognition that goes a long way

Marmoleum is among the most rewarded and environmentally sound floor covering. We value all our labels, whether it's the internationally recognised Swan label, the Blue Angel certification, the North American Sequoia Seal or more specific labels like Nature Plus or the Austrian environmental label. Next to labels and certification, Marmoleum brings real benefits when measured against BRE or LEED certifications. Here, using a Marmoleum floor helps you in the overall rating of your building.



Where detail matters: our LCA Target

Architects and designers today are much more aware that the buildings and interiors they create represent a value that should last for the next decades. Sustained durability is as much connected to the environment when considering energy use as it is in choosing the right materials.

Already during the construction of the building choices can be made that create a better environment. The individual product labels that are connected to sustainability already provide a guideline concerning the environmental profile of a product. In recent years these product profiles have been complemented by construction rating systems. Now a building can be constructed in such a way that it can be awarded an environmental certification. The LEED system promoted through the international Green Building Council is a good example of this practice. A building that is constructed with green materials and is operated through green operating systems create a value for the future.

With Marmoleum we contribute to creating value for the future built environment. But we also assure that we improve on our own performance. In our environmental policy we have set ourselves a target to achieve a 25% reduction in our environmental footprint by 2015. The projects that support our goal are monitored on a monthly basis, they are part of the development criteria of new collections, and they are supported by improvements in our operating systems. You can read about our progress in our annual Environmental Report.





The reality of day-to-day life for a floor is that it encounters both use and abuse without being able to balance its performance with prescribed cleaning and maintenance regimes. That means cleaning and maintenance is not always carried out exactly 'on time' or in the way prescribed by the manufacturer. The real world requires fool proof solutions.

Forbo Marmoleum is known for its track record in heavy-traffic environments such as schools, health care, offices and public buildings. In these applications, everyday use is characterised by high demands on hygiene, resistance to wear and the need for easy cleaning and maintenance. Dirt and sand carried into the building, hand disinfectant spills and the reality of the pressure of the economy on cleaning and maintenance regimes mean that floors today have to endure and withstand use and abuse to an even higher degree than before.

Topshield2 has been designed to create a Marmoleum that meets the demands of everyday use, is even more resistant to dirt pick-up and less prone to wear with improved resistance to scratches and stains to create a floor that gives you lasting performance over time.

Topshield2 provides you with a floor that:

- Is naturally bacteriostatic
- Resistant to hand disinfectants
- Has overall improved stain resistance
- Is efficient, easy to clean and quick drying
- Soils less and picks up less dirt
- Scratches and traps dirt less
- Is easy to maintain

(See "Marmoleum in detail" in this brochure for more information on Topshield2 performance).



Creating a new collection

For our main collections we rely on the expertise of our design team to evaluate Forbo's collections with leading architect offices and design agencies around the world. Some 150 architectural offices and designers always creates random, all-over provide input and evaluation on the colour, balance and structure of new designs. The interaction provides new insights and creates subtle nuances that are reflected in our collection and colour groups.

The Marmoleum colour spectrum is unique and does not start from a purely white base. What's more, the manufacturing process, which subtly creates the structure of the design, patterns that never show any repeat to create the natural charm of any Marmoleum floor.

For this collection, the design focus was on a new direction, one that paid attention to non-marbled visuals. New designs in the collection resemble subtle concrete with fine colour nuances as well as an extension of a vintage stripe design that has been recreated to suit modern environments.



Designing for future generations

The importance of good design...

Forbo has always looked beyond tradition and convention when it comes to designing new Marmoleum collections.

In the past, when it came to paying tribute to the versatility of Marmoleum, we have teamed up with architects like Allessandro Mendini and colour specialist Peter Struijken. We have also invited Dutch designers for a special designer collection. This way, we always have balanced trend and tradition that focuses on new developments in architecture whilst keeping a keen eye on our design icons.

Forbo keeps a close eye on young and promising designers who we would like to introduce to Marmoleum as a floor covering material. For example, we currently run a project with the Eindhoven Design Academy. By challenging students, who have a fresh look at Marmoleum, we aim to provide a new platform for the next generation of our new Concrete collection.

Be inspired ► A selection of the Design Academy Forbo Marmoleum Team is challenged with creating their "New Perspective on Marmoleum"



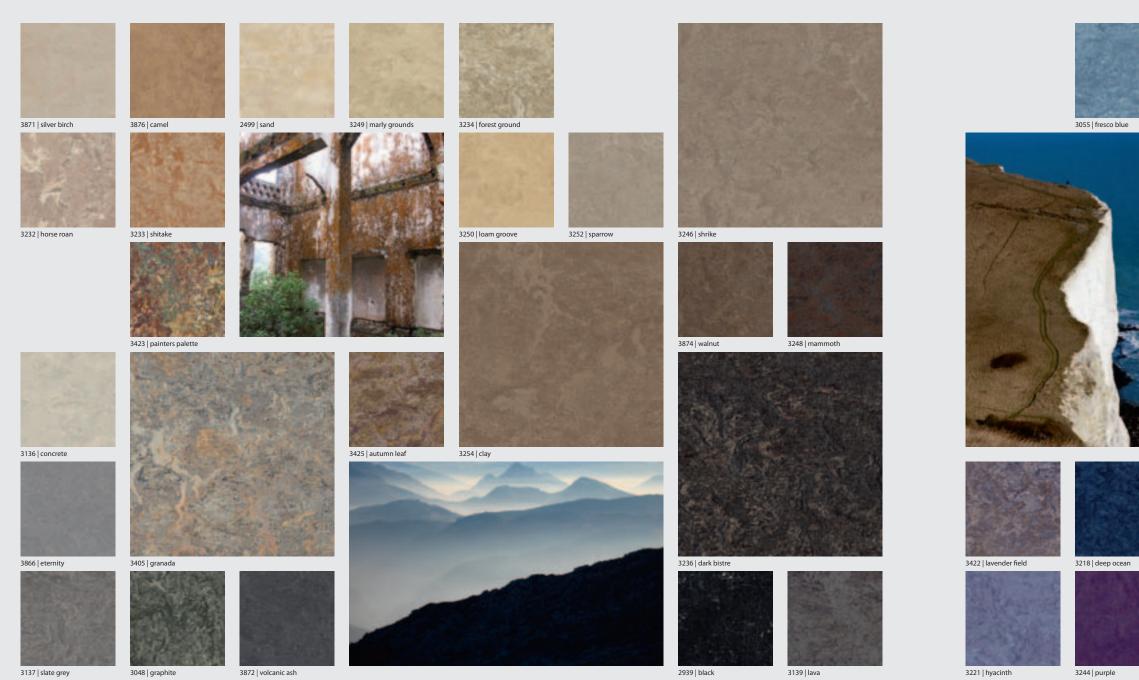
around the world in

90 colours

the Marmoleum Marbled Collection

This time, the marbled collection is presented in a vast array of colours, combining stronger and subtler marbled patterns in one presentation. Marble designs combine anything from three to eight different colours that can vary in intensity and contrast. Sometimes they create bold, strong contrast resembling real marble, yet sometimes the colours are more subtle like fresco murals. The presentation is made in such a way that colour combinations are easy to make.

marbled



Real, Fresco & Vivace Collections

marbled



3860 | silver shadow



3205 | lapis lazuli



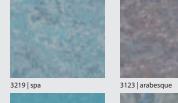
3030 | blue



3242 | adriatica

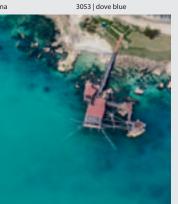








3238 | laguna







3882 | relaxing lagoon



3424 | chagall's circus



3884 | frost



3883 | moonstone



3828 | blue heaven



3881 | green wellness

Real, Fresco & Vivace Collections

marbled



Real, Fresco & Vivace Collections

marbled



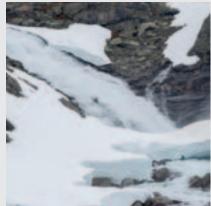




3420 | surprising storm



3407 | donkey island







3203 | henna



3146 | serene grey

2621 | dove grey



2629 | eiger



3847 | golden saffron

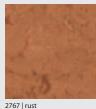


2707 | barley



3075 | shell











3077 | tan pink



2713 | calico



3141 | himalaya

Real, Fresco & Vivace Collections



the Marmoleum Solid Collection

The secret spirit of this collection lies in colour nuances and subtleness. With reference to classic, original linoleum, a conceptual range of (almost) uni colours has been created. One could say this collection reflects traces of the past and present in many different ways such as traces of history in the rich colour palette inspired by heritage as well as future traces that reveal the art behind the modern process of making Marmoleum. Finally, there are twists and traces of colour and design to be found in the very subtle colour veins that characterise this collection. The Solid collection offers a wide range of neutral and outspoken choices for complementing the modern environments of today.

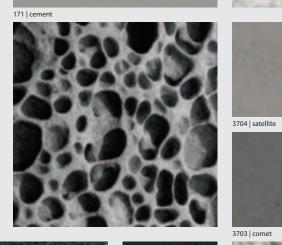
solid



186 | lead



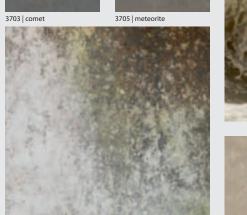
173 | paving





3706 | beton



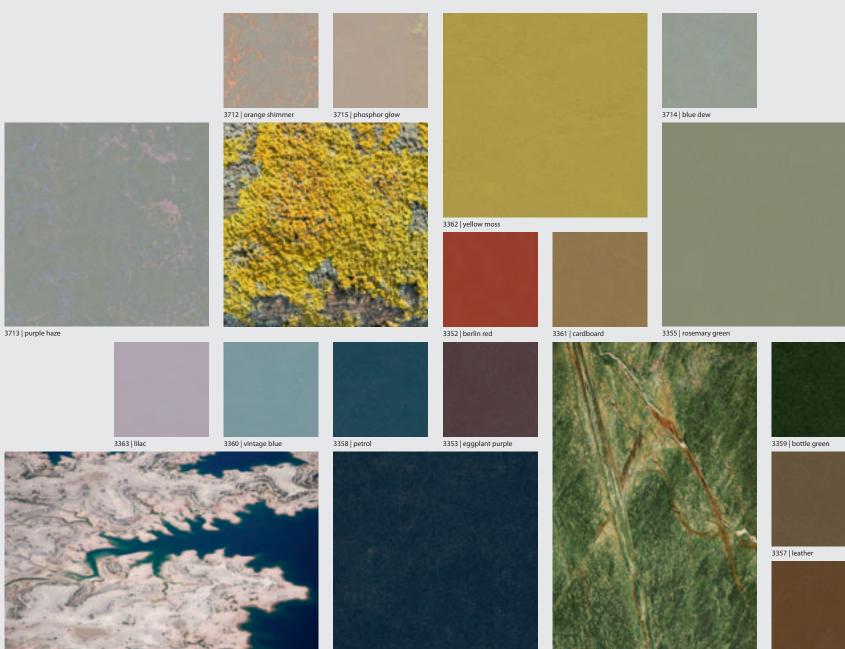


3708 | fossil

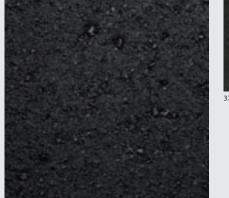












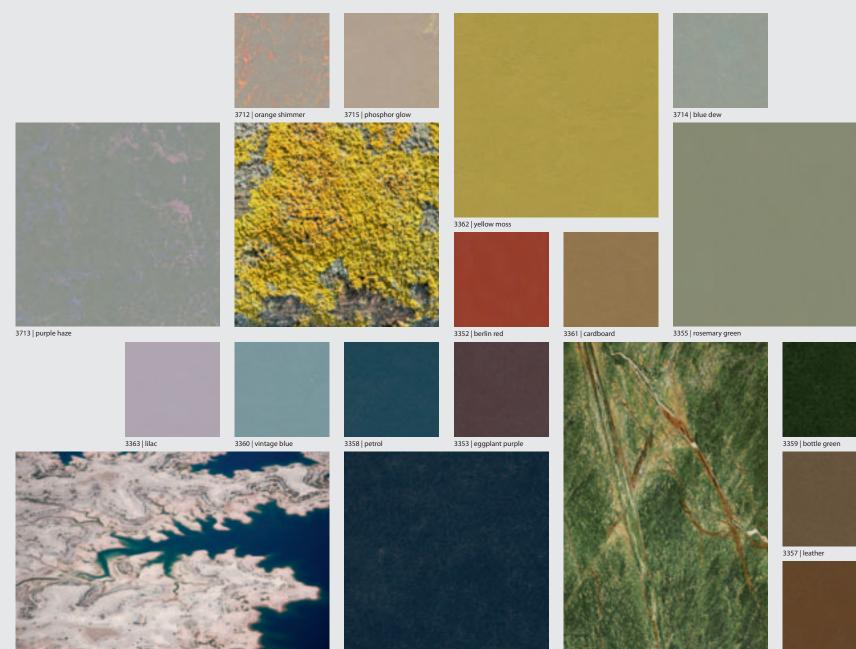


Concrete & Walton Collections

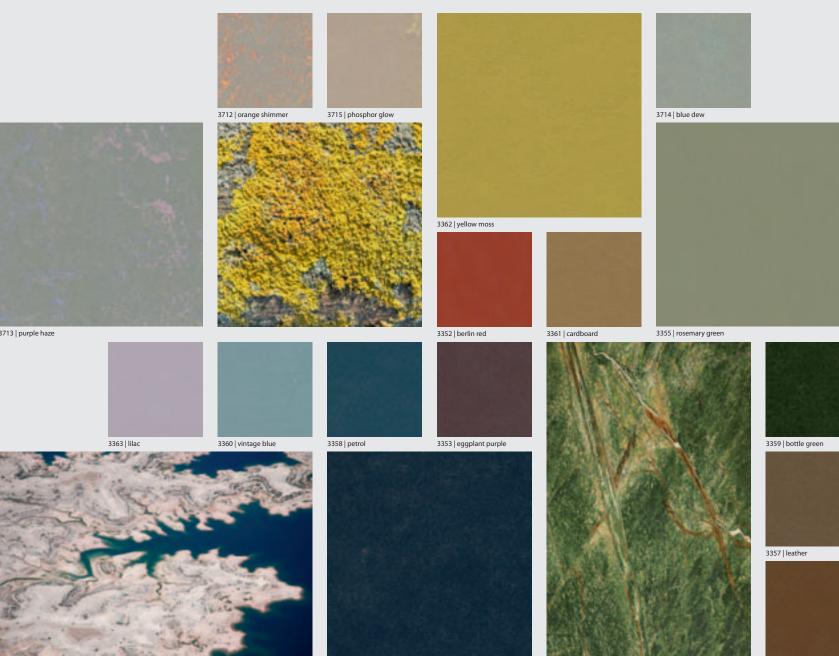
3709 | silt



3568 | delta lace







solid

3364 | ink

Concrete & Walton Collections

3365 | original brown

connecting the

dots

the Marmoleum Patterned collection

This collection is a dialogue between the easily understood statement of the black, grey and white Graphics and the subtle, two-tone speckled pattern of Piano. This comforting offer provides a selected foundation for playful combinations. Developing a refined and pleasing collection, an understandable palette was created. The boldness of Graphic is ideal for architectonic statements and combining materials. The dualism of neutral and outspoken colours in the Piano range is designed for playful combinations.

5314 | scenario

patterned

3629 | frosty grey

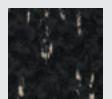


3607 | grey dusk 3613 | almost darkness



5315 | dry point





5306 | domino

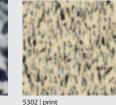
5313 | aquatint



5314 | scenario



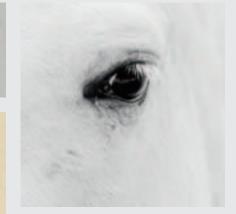
305 | scrabble





5301 | graffito









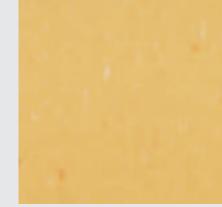
3636 | powder





3634 | meadow





3633 | Pyrenean Lily

Graphic & Piano Collections

patterned



3642 | periwinkle







3643 | submarine

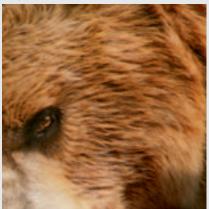


3638 | school red





3631 | otter







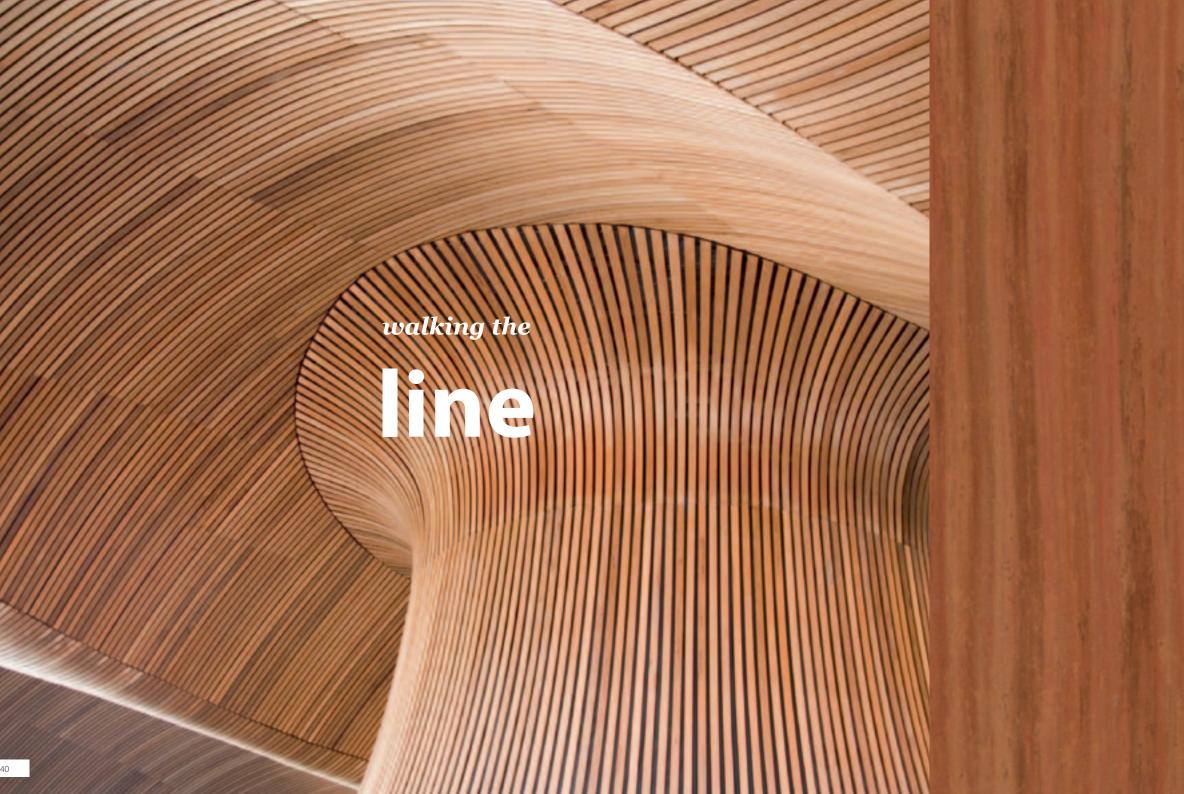
3635 | strawberry fields



3625 | salsa red

Graphic & Piano Collections

3632 | sealion



the Marmoleum Linear collection

Celebrating the rich heritage of linoleum, a search through our archives lead to a re-discovery of the historic, 1950s linear pattern. Out of this structure, which we refined and brought up to the colour spectrum of the 21st century, we introduced Striato in 2009. The successful, worldwide revival of this design motivated us to enrich the palette into a mature range of 18 items. The directional linear pattern is the natural outcome of making linoleum in one of its initial stages of creation. By playing with colour and exploring the boundaries of a 150-year old process, we created new designs and colour combinations. Taking these possibilities to their furthest, a special statement is made with three colourful eye catchers. For the remainder, nature itself was an inspiration for an extended range of warm and inviting colours.

linear





5227 | water colour

5221 | colour stream









3576 | sliding glacier





5222 | mangrove roots

5224 | layered rock



3573 | trace of nature



Striato Collections

linear



5230 | white wash





3575 | white cliffs







5216 | pacific beaches

5218 | welsh moor



5213 | waving wheat





5223 | grand canyon





Applications world wide

The new designs, as well as the refinement of the traditional designs that now come in a vast array of colours, mean Marmoleum has long since been set free from its institutional image. Flooring installations in museums of both contemporary and modern art, today's brands and chains of retail shops, trendy hotels and leisure centres or modern open office spaces are proof that Marmoleum is a modern, versatile floor covering, whilst reminding us of our architectural heritage.

The following pages provide inspiration on the colours and structures of the new Marmoleum collection in various market environments.

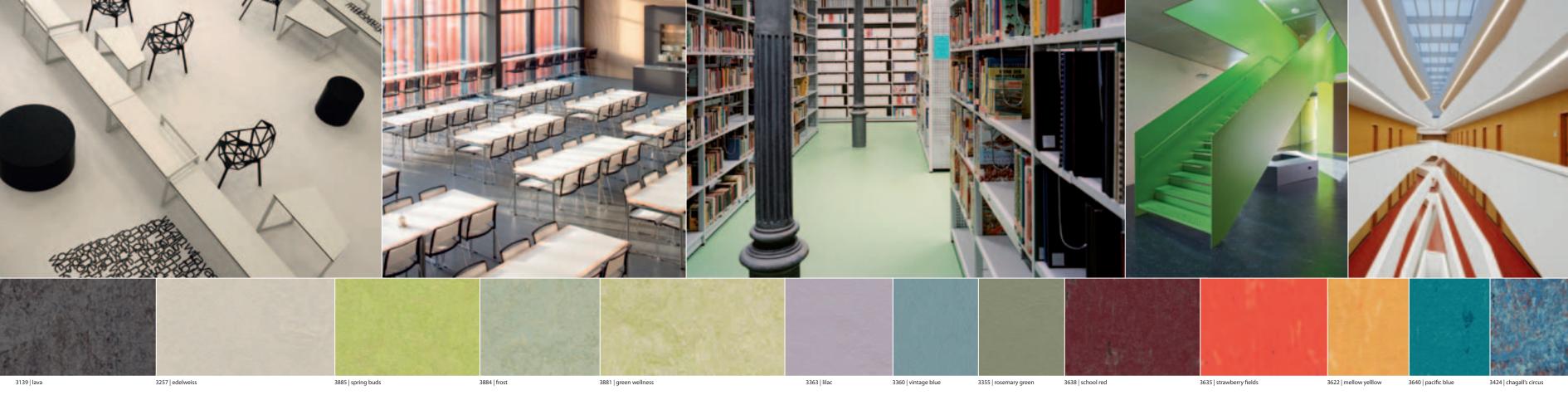




segment HEALTHCARE

Creating a better healing environment

Traditionally, Marmoleum is applied in both health and care facilities worldwide. Because Marmoleum is naturally bacteriostatic, it helps prevent the growth of bacteria on floors, thus it has always been considered the preferred health care floor solution. Topshield2, a protective layer applied to Marmoleum, adds to bacteria prevention effectiveness. Not only do care providers want environments that are hygienic, they also want environments with aesthetics that aid the healing process. The use of comforting colour schemes and creating designs that convey a sense of well being are among the important attributes of a Marmoleum floor. These kinds of environments are not limited to public hospitals or private clinics, however. Just as important are care facilities for the aged and assisted living environments. These places should be a home away from home that provide comfort and safety. That's why the entire Health Care portfolio of Forbo Marmoleum is designed to safely accommodate walking aids and wheelchairs and other equipment.

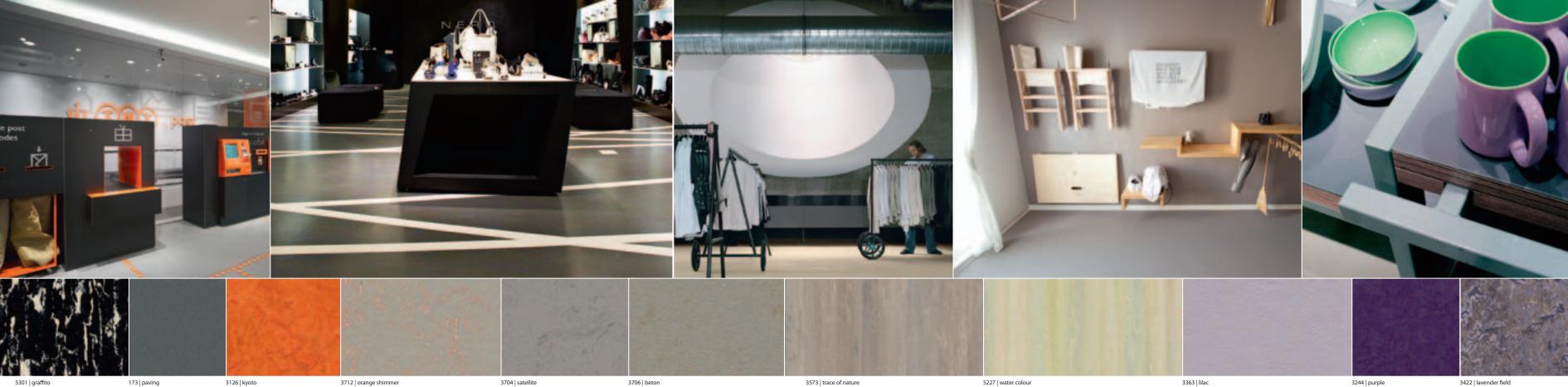


segment EDUCATION

Creating playful, colourful designs

Today's schools and educational facilities are multi-disciplinary buildings major design element that can that house a large variety of spaces for learning along with social and cultural activities and sports. Marmoleum is the ideal floor solution that fits in the traditional classroom and hallways, and also has functional solutions for restaurant areas, atriums and sports halls.

Colour, in addition to interior form, space, light and texture, is also a be used to create an inspirational learning environment. The rich palette of the Marmoleum Marbled and Patterned collections have a range of complementing colours that fit all stages of development for children whether they are playing or learning.



segment RETAIL

Creating good design

institutional image. Flooring installations make Marmoleum the perfect floor for today's brands and chains of retail shops are proof that Marmoleum, with its new collections, helps create exceptional shopping experiences.

Vast colour and design choices, Marmoleum has long been set free of its matched with outstanding durability, for stores looking to enhance brand identity. And, thanks to its resilience, Marmoleum can easily handle hightraffic areas in department stores.



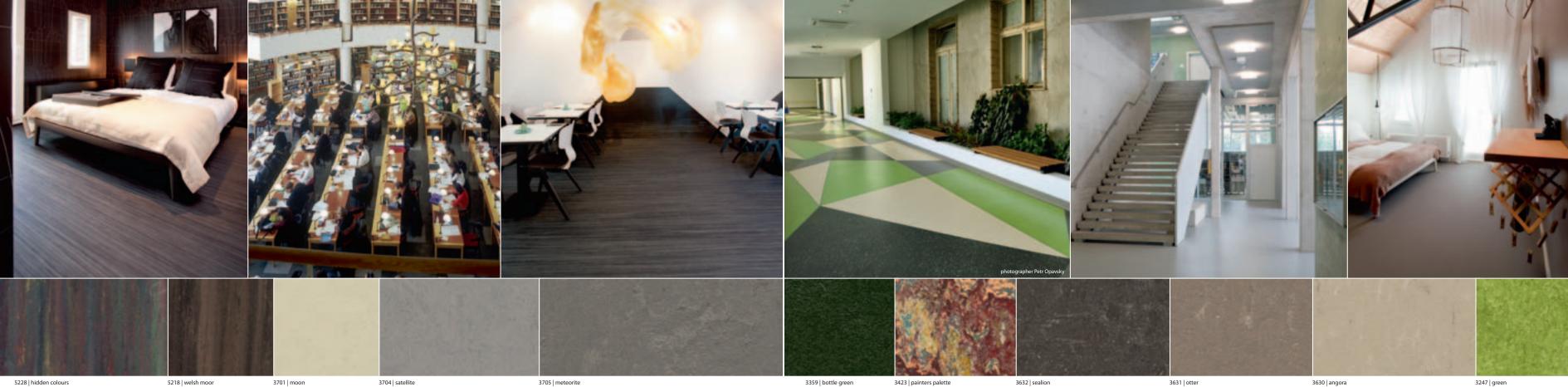
segment OFFICES

Creating inviting office spaces

Modern office environments bear no resemblance to the large, institutional buildings that housed civil servants and administrative employees behind milky glass doors in small workspaces behind conventional desks. Light and colour have entered the workspace, creating aesthetically creative and pleasing surroundings with excellent acoustic qualities.

The new ranges of the Marmoleum Solid designs create serene, stylish environments that fit the modern office space. Traditional classics can be mixed with modern accents and contemporary colours for light and pleasant working environments.

52



segment LEISURE & HOSPITALITY

Creating a sustainable alternative

The choices offered in the different designs of the Marmoleum collection create modern functional environments collection, form an ideal base for in the world of leisure and hospitality. Theatres, cinemas, hotels and restaurants all have their different environments and character. The dual functionality of a Marmoleum floor is the perfect solution.

Marmoleum colours and structures, with references to wood and stone, which are available in the new creating warm, natural environments in which floors act as a neutral element and a solid base for the interior.



Marmoleum in Detail

To weld or not to weld____ Marmoleum with Topshie Enhanced Marmoleum pe Service Products, for easie Collection overview in de

Technical table____

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| erformance products | _62 |
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| | 69 |



GloWeld

18 de

MARMOWELD

-00 m

BAARMON CHIPARE

-

- Cather

(Uni)Solid Colour

MARMOWELD

Multicolor



Accent colour

To weld or not to weld?

That is the question. Welding is a practice that has become an accepted requirement for resilient floors. This is because most resilient floors have a tendency to shrink after installation, which creates the risk of joints and seams opening up. Marmoleum does not shrink, however. That means welding, in the majority of cases, is not required. Skilled installers, trained by Forbo can make perfect joints without using a welding cord. With a good Marmoleum installation you will have an impermeable resilient floor – one that can be cleaned with water, even when not welded. To prove this, we submerged test floors in water for 72 hours, without any damage done to the floor. See our video on www.forbo-flooring.com.

Welding options

There are matching welding cords for every Marmoleum design. A particular feature is the patented multi colour welding cord from Forbo. This welding cord creates invisible seams. The solid, single-coloured cords can be used to hide seams, as decorative accents or as functional elements such as part of a routing program.

GloWeld

Generated by storing daylight, our glow-in-the-dark welding cords create a photo-luminescent effect for hours at night. GloWeld meets DIN 67510 safety requirements.



Marmoleum with Topshield2, the ready to use floor



Double protection

Topshield2 is a strong, double-layer water-based acrylic dispersion that has been developed for Forbo Marmoleum. It is a unique finish that comes with a strong, flexible UV cured primer that binds with the Marmoleum and levels the product surface. The primer is followed by a strong, tough finish layer, which also receives a UV curing treatment. The second layer has been developed with improved resistance against stains (particularly for chemicals, health care hand gels and alcohol), as well as scratching and scuff marks from rubber soled shoe and sneakers.

Topshield2 & healthcare

In modern health care facilities, floor performance literally provides the basis for a hygienic and clean environment. Daily floor cleaning should be executed in an easy and efficient way. The use of chemicals and disinfectants should not leave any traces on the floor, and when they occur, should be able to be removed with ease. Marmoleum with Topshield2 is natural bacteriostatic and has been designed to meet the high demands of modern health care. This also includes facilitating the transport of heavy loads, such as hospital beds, and accommodating hospital staff in carrying out day-to-day work.

Marmoleum is a floor that retains its character and beauty over time. A simple cleaning regime guarantees a floor that maintains its vibrant colours and delivers lasting hygiene where you need it.

Marmoleum with Topshield2 is ideally suited for any health care facility:

- Natural bacteriostatic
- Resistant against hand disinfectants
- Overall improved stain resistance
- Efficient and easy dry cleaning
- Simple maintenance

Topshield2 and education

With the exception of the summer holidays, the floors in any school have to withstand the seasonal weather. Sand, dirt, rain, sleet and snow all leave their traces in building entrances and hallways, whilst in the classroom, shoe scuffing and the constant chair and table movement also abuse the floor. Marmoleum with Topshield2 has been designed to meet the daily challenges of floor life in education environments.

Floor performance in the real world





Our tests, confirmed by third party proof,* have demonstrated improved performance against scuffing and is less susceptible to soiling and dirt pick-up. And, as a "ready-to-use" floor, it does not require initial maintenance or a polymer application. Marmoleum with Topshield2 also has lasting vibrant colours as the new finish brings out the depth and clarity of the floor design.

Marmoleum with Topshield2 is the floor for any education environment:

- · Less soiling and dirt pick-up
- Fewer scratches and less dirt is trapped on the floor
- No staining from ink, felt-tip pens or chemicals
- Easy to clean

*) Marmoleum with Topshield2 is independently tested against other resilient materials such as vinyl, rubber and other linoleum floors. by WFK (Germany) and Sohit (Netherlands). In all cases, Topshield2 performs 'significantly better' when it came to non-soiling, cleaning and stain resistance

Coral entrance floors

The amount of maintenance needed for a floor is determined by the amount of dirt carried into the building. Simple measures you can take, besides regular sweeping, is the installation of Forbo Coral entrance flooring. A good entrance floor stops 90% of all dirt and moisture carried into the building. This prevention measure can be applied in any building and at every entrance.

Enhanced Marmoleum performance products



Next to our standard collection ranges, we offer a variety of Marmoleum floor coverings for special functions or applications.

Marmoleum Decibel – superior sound reduction and additional comfort

Marmoleum Decibel has been developed for the growing higher acoustic quality requirements of resilient flooring and performs to an impressive impact sound reduction of 17dB. Marmoleum decibel is a 2.5mm Marmoleum laminated onto a 1mm sound insulating polyolefin sheet. The collection has 25 colours and features both Marbled and Solid designs.

Marmoleum Acoustic – sound reduction and enhanced comfort

Marmoleum acoustic reduces impact sound by 14dB. It is a twin-layer sheet of 2.0mm Marmoleum on a 2.0mm Corkment backing. The product installs in one operation, reducing installation costs. There are six marbled colours available in the Acoustic range.

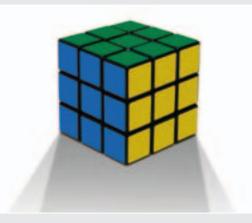
Corkment – reducing impact sound

Corkment, applied to the back of Marmoleum Acoustic, is also available as an individual underlay. After installation, any Marmoleum sheet or tile product can be placed on top, resulting in an impact sound reduction of 14dB.









Marmoleum Ohmex – improved electrical conductivity

Although a Marmoleum floor is already naturally anti-static and does not build up any charge, we have developed Marmoleum Ohmex, which meets higher requirements for electrical conductivity to <1-10 Ω , This ensures personal safety and protects equipment that is sensitive to static electricity.

Aquajet, a personal touch

Aquajet technology allows us to cut the most detailed and beautiful design inlays into your floor. There are standard designs available, however, you can have your own logo, or virtually any other design, created in your floor.

System Solutions – turn-key answers

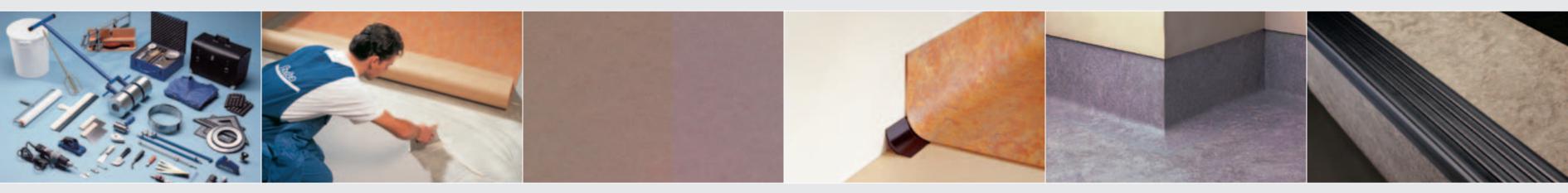
We have developed a range of total system solutions for specific flooring situation and needs. From subfloor preparation to finishing, all is covered.

System solution save time and effort, and bring consistency, quality and accountability. They are ready made and proven flooring installations and include Acoustic, High Tolerance, Static Control, Sustainable and rapid System Solutions.

The result is added value, increased safety and easier installation; a durable, state of the art solution for your floor covering needs. For more information, please request a copy of our System Solutions brochure.



Service Products, for easier installation and use



Training

In all of our markets we offer training modules for floor installers. They are held worldwide in our own training facilities. Forbo certified installers guarantee professional floor installations tools so you can properly install floors and lasting floor performance. Ask your Forbo representative about a training installation in your market.

Tools

Forbo offers a range of tools and installation aids that allow you to install Marmoleum correctly and easily. Forbo also promotes a range of ergonomic from a standing position, avoiding strains in you knees and back. For information, consult our accessories brochure at , or ask your Forbo representative.

Installation

Forbo installation products include levelling compound, primers, moisture insulation products and adhesives to ensure perfect installation. For installation on wooden floors, or quick installations where no proper floor preparation is possible, Forbo has developed the Forbo Quick-Fit system. It's a clever combination of insulation underlayment and an MDF selfadhesive, ultra-light panel system that creates a perfect surface for installation.

Drying room film

Marmoleum is created by an accelerated drying process under which the oxidation of the material reaches the desired product properties and specifications. This process leaves a surface film on the material causing a slight decolouration of the colour which is sometimes visible, particularly on lighter colours. This effect is a natural harmless occurrence linked to the use of linseed and rosin. The somewhat yellow surface film disappears within 24 hours when the linoleum is exposed to normal daylight. When the floor is covered by a rug, or a cabinet the surface film comes back, and again, will disappear when the covered area is exposed to day light.

Skirting

Our collection of matching Marmoleum skirtings provides a finishing touch to any installation. Above all, skirtings provide a practical, hygienic solution for floor cleaning and maintenance right up to the edge of the wall. A full offer roll-length and pre-fixed click systems is available in our accessories brochure.

Coving

When floors require ultra hygienic and watertight floor to wall installation, the Forbo range of pre-shaped Marmoleum coving strips are an ideal solution. The Marmoleum S coving is an elegant solution that leaves no dirt traps since the floor-to-wall connection evolves through a smooth gradient. Marmoleum creating a contrast to the next step coving solutions are also available for pre-shaped, outside and inside corners in colours that match your Marmoleum floor. For more information, see our accessories brochure.

Stair nosing and other Finishing accessories

Marmoleum stair installations most often are created by adding so called "stair nose" strips. Forbo offers stair noses in various colours and dimensions. Stair noses prolong the life of the floor covering, provide visual security by (both up and down) and can be used as a decorative element.

For more information on skirting, coving and finishing accessories, can be found at www.forbo-flooring.com.

ForbOnline, personalised ordering at the click of a mouse

ForbOnline is the e-business service portal for all Forbo trade clients. With ForbOnline you can order Forbo floor covering and service products at the click of a mouse. Trade clients can check stock availability and orders can be placed 24/7. As a registered customer, you can also view your sales history and track and trace the delivery of your order.

For more information on ForbOnline, please contact our customer service department.

| | Туре | Design number | Colour name | Thickness 2.0mm | Thickness 2.5mm | Thickness 3.2mm | Thickness 4.0mm | Decibel 17dB - 3.5mm | Acoustic 14dB - 4mm | Ohmex | Available in tile | Authentic guanran- teed until 2020 | Welding rod uni | Welding rod multi colour | LRV value | NCS code |
|---------|------|------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|------------------------|-------|----------------------|---------------------------------------|--------------------|-----------------------------|--------------|------------------------|
| | Real | 2499 | sand | | ٠ | | | | | | | | • | • | 56% | 1510-Y20R |
| | Real | 2621 | dove grey | • | ٠ | | | • | | | • | | • | • | 36% | 3005-G50Y |
| | Real | 2629 | eiger | | ٠ | | | | | | • | | • | • | 19% | 6005-G80Y |
| [| Real | 2707 | barley | | • | | | • | | | • | | ٠ | • | 49% | 1515-Y30R |
| ļ | Real | 2713 | calico | • | • | | | | | | • | • | • | • | 53% | 2010-Y20R |
| | Real | 2767 | rust | | • | | | | | | • | | • | • | 19% | 4040-Y50R |
| ļ | Real | 2939 | black | • | • | | | | | | • | • | • | • | 5% | 9000-N |
| ļ | Real | 3030 | blue | • | • | | | • | | | • | • | • | • | 12% | 5030-R90B |
| | Real | 3032 | mist grey | • | • | • | | | • | • | | • | • | • | 42% | 3005-G80Y |
| | Real | 3038 | Caribbean | • | • | • | | | • | • | | • | • | • | 55% | 1515-Y20R |
| | Real | 3048 | graphite | • | • | • | | • | • | • | • | • | • | • | 14% | 7502-Y |
| | Real | 3053 | dove blue | • | • | - | | • | - | | • | - | • | • | 27% | 4005-B80G |
| | Real | 3055 | fresco blue | • | • | • | ٠ | - | • | • | • | • | • | • | 23% | 4020-B |
| | Real | 3075 3077 | shell | • | • | • | | • | • | | • | • | • | • | 44% 47% | 2020-Y20R |
| | Real | 3077 | tan pink | • | | | | • | | | • | | • | • | 47% 51% | 2020-Y30R 2010-Y20R |
| | Real | 3120 | rosato arabesque | • | • | | | - | | | - | • | • | • | 23% | 2010-120K 5000-N |
| | Real | 3123 | golden sunset | • | • | | | • | | | • | - | • | • | 38% | 1070-Y20R |
| ł | Real | 3125 | Kyoto | • | • | | | • | | | • | | • | • | 18% | 2570-Y60R |
| | Real | 3120 | Bleeckerstreet | • | • | | | • | | | • | • | • | • | 9% | 2570-R |
| | Real | 3131 | scarlet | • | • | | | • | | | - | • | • | • | 13% | 1580-Y90R |
| | Real | 3136 | concrete | • | • | | | | | | | • | • | • | 47% | 3005-G80Y |
| | Real | 3130 | slate grey | | • | | | | | | | - | • | • | 16% | 6502-Y |
| | Real | 3139 | lava | • | • | | | | • | | | • | • | • | 9% | 8000-N |
| | Real | 3141 | Himalaya | • | ٠ | | | | | | | | • | • | 40% | 3020-Y10R |
| | Real | 3146 | serene grey | • | • | • | | | | | | • | • | • | 27% | 4502-Y |
| X I | Real | 3173 | Van Gogh | • | ٠ | | | | | | | • | • | • | 46% | 2030-Y20R |
| | Real | 3174 | Sahara | • | • | | | | | | | • | ٠ | • | 29% | 3040-Y30R |
| 0 | Real | 3203 | henna | • | • | | | • | | | | • | ٠ | • | 11% | 5040-Y80R |
| | Real | 3205 | lapis lazuli | | • | | | | | | | | ٠ | • | 12% | 4050-R90B |
| Marbled | Real | 3216 | moraine | | ٠ | | | | | | ٠ | | ٠ | • | 34% | 4005-G80Y |
| 5 | Real | 3218 | deep ocean | | • | | | | | | • | | • | • | 6% | 7020-R80B |
| | Real | 3219 | spa | | ٠ | | | | | | | | • | • | 32% | 3020-B30G |
| | Real | 3221 | hyacinth | • | • | | | • | | | • | | • | • | 17% | 4030-R70B |
| | Real | 3224 | chartreuse | • | • | | | • | | | • | | • | • | 38% | 2050-G60Y |
| | Real | 3225 | dandelion | | • | | | | | | | | • | • | 46% | 2050-Y10R |
| | Real | 3226 | marigold | | • | | | | | | • | | • | • | 31% | 2060-Y30Y |
| | Real | 3232 | horse roan | - | • | | | | | | • | - | • | • | 40% | 3010-Y20R |
| | Real | 3233 | shitake | • | • | | | | | | • | • | • | • | 23% | 4020-Y30R |
| | Real | 3234 3236 | forest ground | • | • | | | | | | • | • | • | • | 33% 7% | 4010-Y10R |
| | Real | 3236 | dark bistre laguna | • | • | | | • | | | - | | • | • | 30% | 8502-Y 2040-B10G |
| | Real | 3238 | olive green | 5 | • | | | - | | | | | • | • | 30% 19% | 2040-B10G 5030-G90Y |
| | Real | 3239 | willow | • | • | | | | | | | | • | • | 28% | 4020-G50Y |
| | Real | 3240 | orange sorbet | - | • | | | 1 | | | | | • | • | 31% | 1060-Y50R |
| | Real | 3242 | adriatica | • | • | | | | | | | | • | • | 9% | 5540-B10G |
| ľ | Real | 3243 | stucco rosso | | • | | | | | | | | • | • | 23% | 2050-Y70R |
| ľ | Real | 3244 | purple | • | • | | | | | | | | • | • | 8% | 7020-R50B |
| | Real | 3245 | summer pudding | | ٠ | | | • | | | | | • | • | 12% | 4040-R30B |
| | Real | 3246 | shrike | | ٠ | | | • | | | | | • | • | 21% | 6005-Y20R |
| | Real | 3247 | green | | ٠ | | | • | | _ | | | • | • | 23% | 4050-G50Y |
| | Real | 3248 | mammoth | | ٠ | | | • | | | | | • | • | 7% | 8005-Y80R |
| [| Real | 3249 | marly grounds | • | • | | | | | | | | • | • | 40% | 3010-Y |
| [| Real | 3250 | loam groove | • | ٠ | | | | | | | | • | • | 38% | 3020-Y10R |
| [| Real | 3251 | lemon zest | | ٠ | | | | | | | | • | • | 52% | 1050-Y10R |
| ļ | Real | 3252 | sparrow | • | • | | | | | | | | • | • | 29% | 4010-Y10R |
| ļ | Real | 3254 | clay | • | • | | | | | | | | • | • | 17% | 6010-Y30R |
| | Real | 3255 | pine forest | | ٠ | | | 1 | | | | | • | • | 17% | 6020-G50Y |

| | Туре | Design number | Colour name | Thickness 2.0mm | Thickness 2.5mm | Thickness 3.2mm | Thickness 4.0mm | Decibel 17dB - 3.5mm | Acoustic 14dB - 4mm | Ohmex | Available in tile | Authentic guanran- teed until 2020 | Welding rod uni | Welding rod multi colour | LRV value | NCS code |
|-----------------|----------------|------------------|-----------------------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|------------------------|-------|----------------------|---------------------------------------|--------------------|-----------------------------|--------------|-----------------------|
| | Real | 3257 | edelweiss | | • | | | | | | | | • | • | 58% | 2005-G80Y |
| - | Fresco | 3825 | African desert | • | • | • | | | | | | • | • | | 26% | 2050-Y50R |
| | Fresco | 3828 | blue heaven | • | • | | | | | | | • | • | | 34% | 3020-B10G |
| [| Fresco | 3846 | natural corn | • | • | | | | | | | • | • | | 56% | 1030-Y10R |
| [| Fresco | 3847 | golden saffron | • | • | | | | | | | • | • | | 41% | 2040-Y30R |
| ļ | Fresco | 3858 | Barbados | • | • | | | | | | | • | • | | 65% | 1510-Y10R |
| ļ | Fresco | 3860 | silver shadow | • | • | | | | | | | • | • | | 48% | 2005-G70Y |
| ļ | Fresco | 3861 | Arabian pearl | • | • | | | | | | | | • | | 50% | 2010-Y20R |
| ļ | Fresco | 3866 | eternity | • | • | • | | | | | | | • | | 21% | 5502-G |
| | Fresco | 3870 | red copper | | • | | | | | | | | • | | 18% | 3050-Y60R |
| ļ | Fresco | 3871 | silver birch | • | • | | | | | | | | • | | 41% | 3010-Y10R |
| ļ | Fresco | 3872 | volcanic ash | • | • | | | • | | | | | • | | 10% | 7500-N |
| 70 | Fresco | 3874 | walnut | • | • | | | • | | | | | • | | 11% | 7010-Y50R |
| a l | Fresco | 3876 | camel | | • | | | | | | | | • | | 29% | 4020-Y30R |
| | Fresco | 3881 | green wellness | • | • | | | | | | | | • | | 51% | 2020-G90Y |
| _ | Fresco | 3882 | relaing lagoon | • | • | | | | | | | | • | | 39% | 3020-G10Y |
| | Fresco | 3883 | moonstone | | • | | | | | | | | • | | 45% | 2502-G |
| J | Fresco | 3884 | frost | | • | | | | | | | | • | | 45% | 3010-G40Y |
| Marbled | Fresco | 3885 | spring buds | | • | | | | | | | | • | | 46% | 2040-G60Y |
| | Fresco | 3886 | mother of pearl | | • | | | | | | | | • | | 55% | 2010-Y10R |
| ļ | Vivace | 3403 | Asian tiger | | • | | | | | | ļ | | • | • | 29% | 3040-Y30R |
| ļ | Vivace | 3405 | Granada | | • | | | | | | | | • | • | 28% | 5005-Y20R |
| ļ | Vivace | 3407 | donkey island | | • | | | | | | | | • | • | 36% | 3010-Y30R |
| ļ | Vivace | 3411 | sunny day | | • | | | | | | | | • | • | 45% | 2030-Y20R |
| | Vivace | 3413 | green melody | | • | | | | | | | | • | • | 34% | 3030-G60Y |
| ļ | Vivace | 3416 | fiery fantasy | | • | | | | | | | | • | • | 15% | 3060-Y90R |
| | Vivace | 3420 | surprising storm | | • | | | | | | | | • | • | 31% | 4502-Y |
| | Vivace | 3421 | oyster mountain | | • | | | | | | | | • | • | 17% | 6502-Y |
| ļ | Vivace | 3422 | lavender field | | • | | | | | | | | • | • | 14% | 6005-R50B |
| | Vivace | 3423 | painters palette | | • | | | | | | | | • | • | 24% | 4020-Y20R |
| | Vivace | 3424 | Chagall's circus | | • | | | | | | | | • | • | 16% | 5020-R90B |
| | Vivace | 3425 | autumn leaf | | • | | | | | | | | • | • | 15% | 6010-Y30R |
| | Graphic | 5301 | graffito | | • | | | | | | | | • | • | 9% | 9000-N / 1010 -Y |
| | Graphic | 5302 | print | | • | | | | | | | | • | • | 48% | 1010-Y / 9000-N |
| | Graphic | 5305 | scrabble | | • | | | | | | | | • | | 68% | 1010-Y / 9000-N |
| | Graphic | 5306 | domino | | • | | | | | | | | • | | 5% | 9000-N / 1010-Y |
| | Graphic | 5311 | signo | | • | | | | | | | | • | | 12% | 7502-Y / 5005 - G80Y |
| | Graphic | 5313 | aquatint | | • | | | | | | | | • | | 32% | 3005-G50Y / 5005-G80Y |
| _ | Graphic | 5314 | scenario | | • | | | | | | | | • | | 23% | 5005-Y20R / 5005-G80Y |
| 0 | Graphic | 5315 | dry point | | • | | | | | | | | • | | 8% | 8000-N / 5005-G80Y |
| 2 | Piano Piano | 3601 3607 | warm grey | | • | | | | | | | | • | | 32% 11% | 3005-G50Y 7500-N |
| g | Piano | 3613 | grey dusk | | • | | | | | | | | • | | 5% | 8500-N |
| | Piano | 3613 | almost darkness mellow yelllow | | • | | | | | | | | • | | 39% | 2060-Y20R |
| | Piano | 3625 | salsa red | | • | | | | | | | | • | | 11% | 3560-Y80R |
| Graphic / Piano | | 3625 | | | • | | | | | | | | • | | 49% | 2005-G50Y |
| U I | Piano Piano | 3629 | frosty grey | | • | - | | | | | | | • | | 49% 37% | 4010-Y10R |
| • | Piano | 3631 | angora otter | | • | | | | | | | | • | | 20% | 6005-Y20R |
| _ | Piano | 3632 | sealion | | • | | | | | | | | • | | 10% | 7005-Y50R |
| 0 | Piano | 3633 | Pyrenean Lily | | • | | | | | | | | • | | 58% | 1030-Y10R |
| | Piano | 3634 | meadow | | • | | | | | | | | • | | 43% | 2030-G80Y |
| | Piano | 3635 | strawberry fields | | • | | | | | | | | • | | 20% | 1070-Y80R |
| U | Piano | 3636 | powder | | • | | | | | | | | • | | 50% | 1515-S30R |
| - | Piano | 3637 | fo | | • | | | | | | | | • | | 25% | 3030-Y40R |
| | Piano | 3638 | school red | | • | | | | | | | | • | | 8% | 7020-R |
| } | Piano | 3639 | thistle | | • | | | | | | | | • | | 12% | 6020-R40B |
| | Piano | 3640 | Pacific blue | | • | | | | | | | | • | | 12% | 4040-B20G |
| | Piano | 3641 | eggshell | | • | | | | | | | | • | | 69% | 1010-Y10R |
| | Piano | 3642 | periwinkle | | • | | | | | | | | • | | 24% | 4020-B |
| | | | | | | | | | | | | | | | | |
| | Piano | 3643 | submarine | | • | | | | | | | | • | | 7% | 7020-R80B |

Thickness Decibel 17dB Acoustic Ohmex Available Authentic guanran-4.0mm -3.5mm 14dB - 4mm in tile teed until 2020 Design Colour name Thickness number 2.0mm Thickness Welding Welding rod multi LRV rod uni colour value Type Thickness 2.5mm NCS code 3.2mm 3573 trace of nature • • 27% 5005-Y20R Striato Striato 3575 • 57% 2010-Y white cliffs • Striato 3576 sliding glacier • ٠ 45% 1005-Y / 7500-N Striato 3577 petrified wood • ٠ 6% 8500-N Striato 5213 waving wheat ٠ ٠ 2040-Y10R 42% Striato 2020-Y10R 5216 Pacific beaches • • 48% triato Striato 5217 withered prairie • • 23% 5010-Y30R Striato 8005-Y80R 5218 Welsh moor • ٠ 8% Striato 26% 2070-Y90R / 3050-B / 3030-G20Y 5221 colour stream • • Striato 5222 mangrove roots • • 25% 4020-Y10R Striato 5223 Grand Canyon • • 14% 5030-Y50R S Striato 5224 layered rock • ٠ 43% 3010-G90Y Striato 5225 compressed time • • 34% 4010-Y30R Striato 5226 grey granite • • 29% 5005-G50Y Striato 5227 • • 49% 2010-G90Y water colour Striato 5228 hidden colours ٠ ٠ 9% 7502-B Striato 5229 fresh walnut • • 15% 6020-Y50R ٠ ٠ Striato 5230 white wash 49% 2010-Y30R • • 123 4% 9000-N Uni black 171 • • Uni 30% 4502-Y cement 173 • • 13% Uni paving 6502-G ٠ ٠ Uni 186 lead 21% 5502-B 3568 • ٠ 13% Concrete delta lace 7005-Y20R Concrete 3701 moon • • 61% 1510-G90Y 3702 • ٠ Concrete liquid clay 23% 5005-Y20R Concrete 3703 comet • ٠ 14% 6502-G Concrete 3704 satellite • • 23% 5502-Y Concrete 3705 meteorite • • • 16% 6502-Y Concrete 3706 beton • ٠ • 28% 5005-G80Y Concrete 3707 black hole • • ٠ 7% 8500-N Concrete 3708 fossil ٠ ٠ 4005-Y20R 34% Concrete 3709 • • • 22% 5010-Y10R silt olid Concrete 3710 • ٠ 5010-Y10R stormy sea 25% Concrete 3711 • ٠ 2010-Y cloudy sand • 49% • ٠ 4502-Y / 1050-Y50R Concrete 3712 orange shimmer 31% Concrete 3713 • • 4005-G20Y / 2020-R50B S purple haze 30% Concrete 3714 blue dew • • 32% 4005-G20Y / 2040-B10G 3715 phosphor glow • • Concrete 34% 4010-Y10R / 3050-G90Y 3352 Berlin red Cirrus • • 10% 4050-Y80R Cirrus 3353 eggplant purple • • 8% 8005-Y80R 3355 rosemary green Cirrus • • 21% 5010-G70Y Cirrus 3357 leather ٠ ٠ 12% 7010-Y10R 3358 ٠ ٠ 9% Cirrus petrol 7020-B10G Cirrus 3359 bottle green ٠ • 7% 8010-G30Y ٠ ٠ Cirrus 3360 vintage blue 29% 3020-B Cirrus 3361 ٠ ٠ 20% 5020-Y10R cardboard • • 3362 yellow moss 30% Cirrus 3040-G90Y Cirrus 3363 lilac • ٠ 38% 3005-R50B Cirrus 3364 ink ٠ ٠ 6% 8010-R90B Cirrus 3365 original brown • ٠ 11% 6020-Y50R

Technical specifications

Marmoleum meets the requirements of EN ISO 24011 Marmoleum Acoustic meets the requirements of EN 687 Marmoleum Decibel meets the requirements of EN 686

| | | | Marmoleum Real/Fresco | Marmoleum Real/Fresco/ Vivace | Marmoleum Real | Marmoleum Real | Marmoleum Decibel | Marmoleum Acoustic | Marmoleum Concrete | Marmoleum Walton | Marmoleum Striato | Marmoleum Graphic | Marmoleum Piano |
|---|---|---|---|--|---------------------|---------------------|----------------------|-----------------------|-----------------------|---------------------|----------------------|----------------------|-----------------------|
| | Total thickness | EN-ISO 24346 | 2.0 mm | 2.5 mm | 3.2 mm | 4.0 mm | 3.5 mm | 4.0 mm | 2.5 mm | 2.5 mm | 2.5 mm | 2.5 mm | 2.5 mm |
| i di tika tika tika tika tika tika tika tik | Domestic: heavy | EN-ISO 10874 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 | Class 23 |
| | Commercial: general/heavy/very heavy | EN-ISO 10874 | Class 32 | Class 34 | Class 34 | Class 34 | Class 33 | Class 33 | Class 34 | Class 34 | Class 34 | Class 34 | Class 34 |
| 1 <u>î</u> (m <i>m</i> (m <i>m</i>) | Light industrial: moderate/general/heavy | EN-ISO 10874 | Class 41 | Class 43 | Class 43 | Class 43 | Class 41 | Class 41 | Class 43 | Class 43 | Class 43 | Class 43 | Class 43 |
| | Roll width | EN-ISO 24341 | 2.00 m | 2.00 m | 2.00 m | 2.00 m | 2.00 m | 2.00 m | 2.00 m | 2.00 m | 2.00 m | 2.00 m | 2.00 m |
| 3 | Roll length | EN-ISO 24341 | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m | ≤ 32 m |
| | Indentation residual | EN-ISO 24343-1 | ≤ 0.15 mm | ≤ 0.15 mm | ≤ 0.15 mm | ≤ 0.20 mm | ≤ 0.30 mm | ≤ 0.40 mm | ≤ 0.15 mm | ≤ 0.15 mm | ≤ 0.15 mm | ≤ 0.15 mm | ≤ 0.15 mm |
| 5 | Castor chair continuous use | EN 425 Suitable for office chairs with castors. | | | | | | | | | | | |
| | Light fastness | EN-ISO 105-B02 | D 105-B02 Method 3: blue scale minimum 6. | | | | | | | | | | |
| 2 | Flexibility | EN-ISO 24344 | ø 30 mm | ø 40 mm | ø 50 mm | ø 60 mm | ø 40 mm | ø 60 mm | ø 40 mm | ø 40 mm | ø 40 mm | ø 40 mm | ø 40 mm |
| F | Resistance to chemicals | EN-ISO 26987 | Resistant to | diluted acids, oils, | , fats and to con | ventional solvent | ts. Not resistant t | o prolonged exp | osure to alkalis. | | | | |
| ۲ | Bacteriostatic properties | Bacteriostatic properties Marmoleum has natural bacteriostatic properties, which are confirmed by independent laboratories, even against the bacteria MRSA. | | | | | | | | | | | |
| 2 | Cigarette resistance | EN 1399 | Marks left or | linoleum as a res | sult of stubbed-o | out cigarettes ca | n be removed. | | | | | | |
| A | Slip resistance | DIN 51130 | R9 | R9 | R9 | R9 | R9 | R9 | R9 | R9 | R9 | R9 | R9 |
| | Acoustical impact noise reduction | EN ISO 717-2 | $\leq 4 \text{ dB}$ | ≤ 5 dB | ≤ 6 dB | ≤ 7 dB | 17 dB | 14 dB | ≤ 5 dB | ≤ 5 dB | ≤5 dB | ≤ 5 dB | ≤ 5 dB |
| ×1067 | Electrical resistance Marmoleum Ohmex | EN 1081 | - | 1-10 ⁶ <r1 <<br="">1-10⁸ Ω static dissipative</r1> | - | - | - | - | - | - | - | - | - |
| LCA | LCA Life Cycle Assessment LCA is the foundation for securing the lowest environmental impact. | | | | | | | | | | | | |
| | Marmoleum meets the requiren | nents of EN 14041 | | | | | | | | | | | CE EN 14041 |
| | Reaction to fire | EN 13501-1 | C _{fl} -s1 | C _{fl} -s1 | C _{fl} -s1 | C _{fl} -s1 | C _{fl} -s1 | C _{fl} -s1 | C _{ff} -s1 | C _{fl} -s1 | C _{fl} -s1 | C _{fl} -s1 | C _{fl} -s1 |
| | Slip resistance | EN 13893 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 | DS: ≥ 0.30 |
| Ŧ | Body voltage | EN 1815 | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV | < 2 kV |
| 8 | Thermal conductivity | EN 12524 | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K | 0.17 W/m·K |

Touch

Touch is a Marmoleum with a high level of tactility. The floor is created in an intricate range of earthly tonein-tone colours. The use of ground wood flour and cork flour creates a fascinating, tactile patterned matte gloss surface and an elegant floor. Touch is created for residential and commercial environments to radiate warmth and elegance.

The Unexpected Nature of Linoleum

This collection, based on modern design trends, is inspired by the natural phenomena around the world that make our planet special. Volcanic formations, tropical forests and lagoons as well as salt and ice formations have all inspired this collection of subtle, natural designs. Both the marbled and striped collections have unconventional colour combinations that are perfect for creating hugely inspiring floors that form serene environments with a natural touch.

Cork Linoleum

Forbo Marmoleum is created through combining linseed and rosin with wood flour and limestone. For Cork linoleum, the wood flour component is replaced by finely ground cork particles. Cork enhances the shock absorbent quality of floors and gives warmth under foot. This makes Cork linoleum the ideal surface for therapy rooms and rest areas in day care centres. Cork linoleum is available in a range of natural colours ranging from sand and ochre to stone red and a selection of subtle greys.



touch

The Unexpected Nature of linoleum

cork linoleum[®]