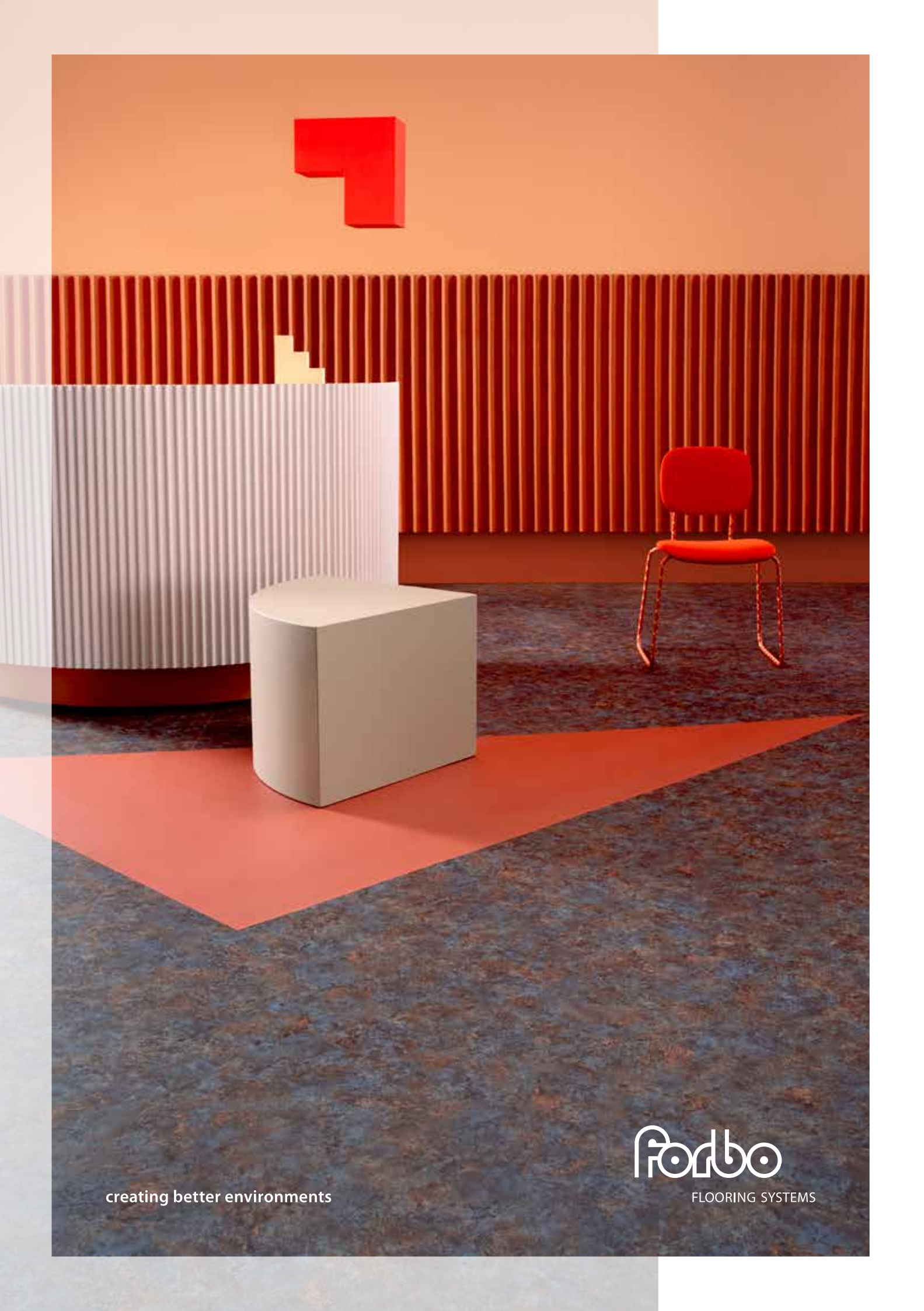


inmind

thinking
about project





creating better environments



FLOORING SYSTEMS



307 | pastel blue nairobi 9602 | grey graphito 878 | dark green uni

DIVERSITY, BETTER TOGETHER

We live in a demanding world. The criteria for decision making in projects are diverse, but in all cases the very best is expected for the performance of the floor. This collection offers the most comprehensive and qualitative answer to all your needs.

Diversity

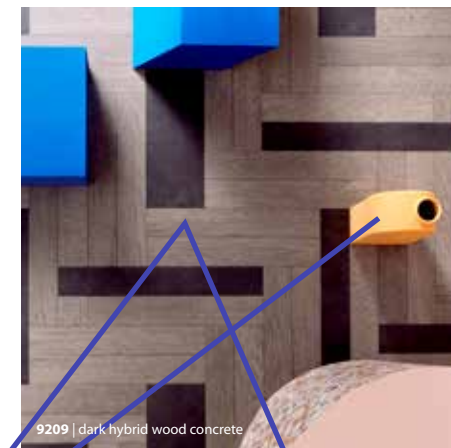
Forbo Flooring proudly presents one concept with an unprecedented diversity of products. Acoustic, compact and compact acoustic; glued or fully loose laid. Everything is covered in this concept. And looking at the designs, it is hard to imagine a concept with more diversity in patterns.

XtremPUR™ is an extremely high-performance lacquer protection which provides the best possible resistance against stains, scuffs and scratches and provides a matt aesthetic.

Better together

All elements in this range sparkle in their individual diversity and quality, but we also found ways to create connections and commonality. We are sure that all elements work better together.

XtremPUR™ is on every single product of the range, all designs are available in all products and the design concept is connected into one easy to understand and use constellation. It is possible to combine different functionalities in a project. **Sarlon and Modul'up are better together.**



DYNAMICS OF A BUILDING

The Dynamic of a Building philosophy no longer looks at the traditional split in segments, but works from a philosophy that is based on the identity a space has and what function it has for the users. In a project there are many functions that need to be fulfilled and using this identity as a guiding system works on ensuring the optimal atmosphere and design in a building.

There are 5 dynamics

- Receiving
- Moving
- Connecting
- Concentrating
- Recharging

Each dynamic has its own unique colour dialogue with its genuine identity created by the contrast, intensity and positioning of the colours. It is the overall expression of the selected colours that represents the defined atmosphere. The individual colours can easily be updated when needed whilst keeping the total feel intact.

BETTER TOGETHER

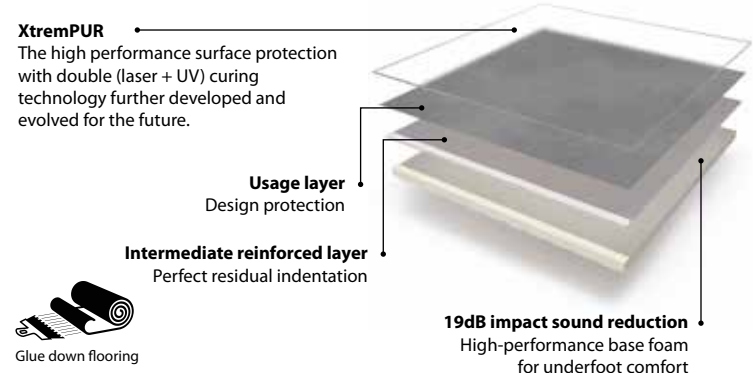
Forbo Flooring produces a wide variety of ranges, designed by a large team of designers from around the globe. They all work according to similar design principles in which the dynamics of a building play an important role. They all work together to create a global colour card, based on the latest trends and projections for the future. This means that different ranges can compliment each other and when different functionalities are required for a project it is always possible to combine different Forbo Flooring products. When there is a need they do work better together.

For this range we have taken the concept a step further. All individual designs and colours have their own story and strength, suitable for use in a huge variety of applications. But this range was built in a constellation that is not just offering these individual "stars", but also show very strong links between the elements to create a full concept. The 'moodboard' above shows how several designs from this collection can be used alongside each other to produce a complementary floor design that is both visually striking and high performing.

Because, as you know, if something is done well the end result is bigger than just the sum of individual parts. And this is what we show: **we are better together.**

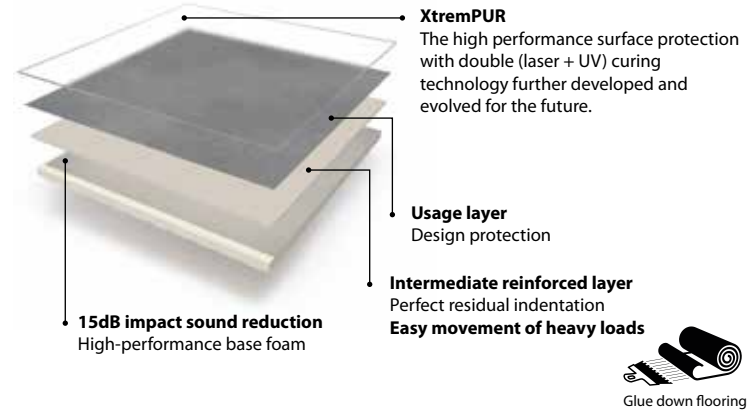
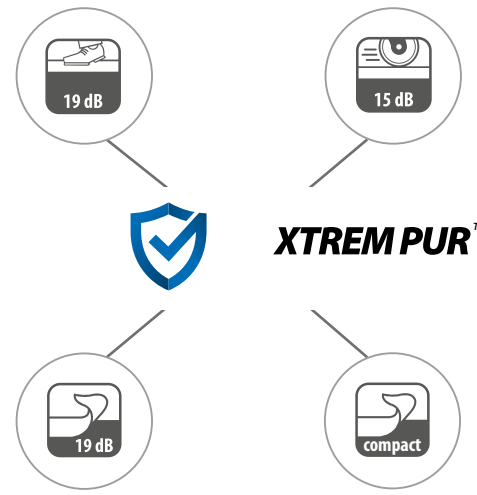
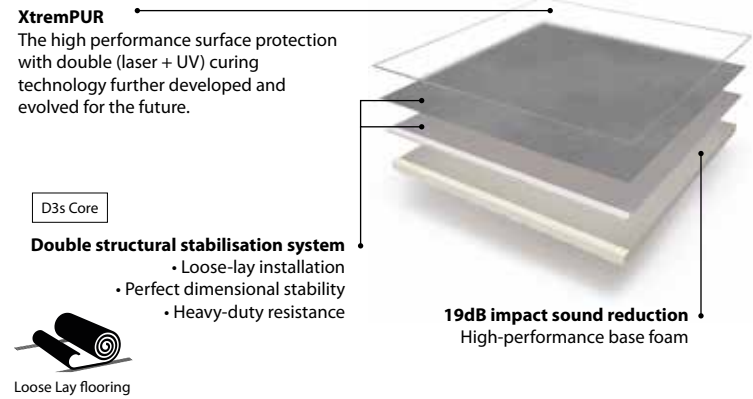
Sarlon 19dB

The best acoustic **high traffic** product in the market. Highest acoustic sound reduction of 19dB. **Best residual indentation** for a 19 dB acoustic product. High performance characteristics in all other areas.



Modul'up 19dB

The best **fully loose laid** sheet acoustic solution. Quick installation (without disturbing occupied areas), immediate use possible. Long term benefit of very quick replacement and removal, saving money over time. Offering all benefits of the **best performing acoustic** with less overall material.

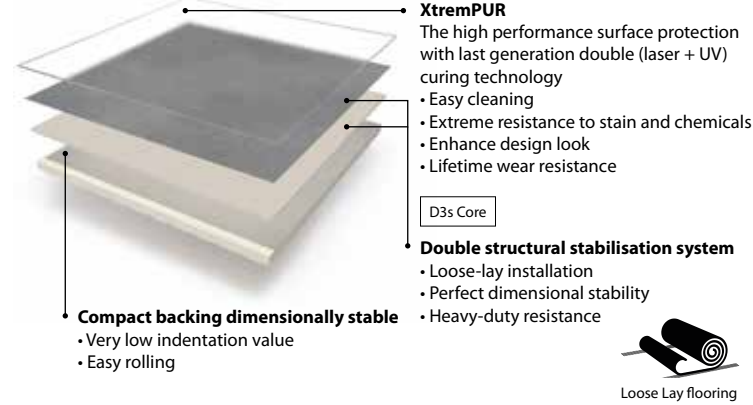


Sarlon 15dB

The **best compromise** on acoustic and high load requirements. **Low residual indentation**, suitable for heavy loads. 15dB acoustic performance for additional comfort at **high performance**. A **unique** product proposition in the market.

Modul'up compact

The best **fully loose lay** sheet compact solution. Speed of installation and renewal reduces downtime and is immediately **ready for use** after installation. Compact and strong **solution for heavy traffic** and intense use. Possibility to use over existing flooring, no need to remove on many occasions.



All constructions are available in all colours of our acoustic and loose lay offer.



Sound reduction

There are two different types of sound that can impact your working or living environment. The **in-room impact** sound is related to impact sound in the room itself. You want to reduce this to create a more calm and pleasant environment. All products in this range offer a lot of sound reduction and are rated Class A, so best possible class and will bring this benefit to create a better environment.

Impact sound relates to the sound that is transmitted through the floor from one level to the level below. Reducing this impact sound is a critical characteristic in more and more environments and with our 19dB products we offer the best possible improvement on impact sound from rooms above, as measured in EN ISO 717-2. In combination with the other superior performance characteristics Forbo Flooring is really leading in this important contributor to well being in many occasions.

Indentation resistance

Floors need to be strong to remain beautiful and indentation under pressure can be a major issue. For projects where sound reduction is the key priority, our 19 dB solutions offer excellent acoustic properties with residual indentation performance that's best in class. For areas where sound reduction is required but the floor covering may be subjected to very heavy or rolling loads, Sarlon 15 dB will give you the optimum balance between acoustic performance and residual indentation.

When pressure is applied continuously or with very acute pressure points (for example, a table leg) then a compact solution is recommended. Modul'up Compact offers the highest resistance to residual indentation, with the additional benefit of an adhesive free installation.









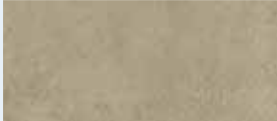













Ultimate protection for Sarlon and Modul'Up.
Better together!

The high performance surface protection with double (laser + UV) curing technology further developed and evolved for the future.



Stain resistant

The XtremPUR™ lacquer offers the best possible resistance against stains. This collection is ideal for the healthcare segment where potential chemical spillages may cause stains.

| | | Result after cleaning with water and neutral detergent according to the EN ISO 26987 standard | | |
|---|--|---|--|---|
| | | Contact time | Regular PUR lacquer | XtremPUR lacquer |
|  | Betadine alcoholic solution | After 30 minutes |  |  |
| | | After 2 hours |  |  |
|  | Eosin alcoholic solution | After 30 minutes |  |  |
| | | After 2 hours |  |  |
|  | Potassium permanganate | After 30 minutes |  |  |
| | | After 2 hours |  |  |
| Permanent marker test with regular eraser | | | | |
|  | Permanent marker Onyx Only with XtremPUR the permanent marker stains can be easily and totally removed with a regular eraser. | |  |  |



Durable and longlasting

Tested in the most intensive and aggressive conditions. Xtrem PUR surface protection shows excellent performance against scuffs and scratches. Xtrem PUR is the most durable solution. It remains beautiful over time even in high traffic or demanding areas.



Extreme resistance to scratch after abrasive sand test (300 cycles) compare to standard PUR surface treatment

Easy to clean in minimal time at reduced costs

Xtrem PUR creates a 3D surface protection acting as a true shield against soiling. The floor is easy to clean and needs no wax or polish. This also saves time and money when cleaning the floors



Matt surface

Xtrem PUR improves the visual of the flooring giving it a more realistic and less glossy appearance.



The acoustic solution

sarlon® 19 dB

Sarlon has a long history of being the best acoustic product on the market. The 19dB acoustic performance and comfort, in combination with the best residual indentation has given this product the leading acoustic position over years. This will not change.

The performance of this product is further enhanced through the introduction of Xtrem PUR™ to Sarlon 19dB which brings many additional benefits in the use of this product.

This means Sarlon 19dB remains beautiful over the years of usage. The beauty of the over 90 options in colour and design will remain beautiful throughout the life time of the product.

It can be used in any project where acoustic and heavy traffic needs to be combined



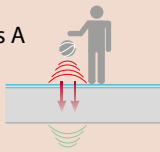
235 | lemon canyon 406 | red doodle

Its acoustic efficiency complies with the regulations

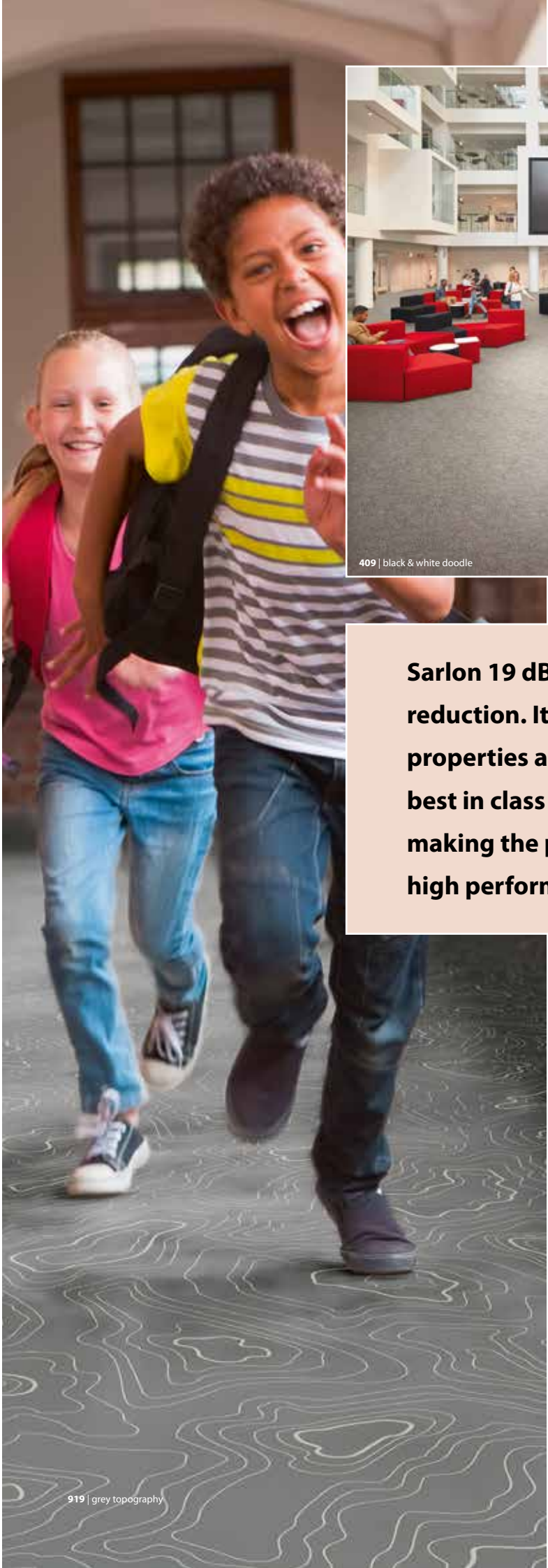
The highest acoustic and best indentation performance in the category.



Class A



Sarlon 19dB is the most comfortable and easy to use solution for high traffic areas.


















409 | black & white doodle

Sarlon 19 dB is the perfect solution for sound reduction. It offers the best possible acoustic properties along with a residual indentation that is the best in class for acoustic solutions, with XtremPUR™ making the product easy to maintain whilst offering high performance protection.

Technical specifications

Sarlon19 dB meets the requirements of EN 651 and ISO 11638

| | | Sarlon 19 dB |
|---|---------------------------------------|---|
|  | Total thickness | EN ISO 243463.4 mm |
|  | Wear layer thickness | EN ISO 243400.70 mm |
|  | Total weight | EN ISO 239972.900 g/m² |
|  | Impact sound reduction | EN ISO 717-2ΔLw = 19 dB ✓ |
|  | In-room impact noise | NF S 31-074Ln,e,w < 65 dB, Class A |
|  | Sound absorption | EN ISO 354EN ISO 11654αw = ± 0.05 |
|  | Residual indentation typical value | EN ISO 24343-10.08 mm ✓ |
|  | Requirement | ≤ 0.20 mm ✓ |
|  | Slip resistance | DIN 51130R10 ✓ |
|  | Dimensional stability | EN ISO 23999≤ 0.10 % ✓ |
|  | Surface treatment | XtremPUR™ ✓ |
|  | Abrasion resistance | EN 660-2T ✓ |
|  | Stain resistance | EN ISO 26987Excellent ✓ |
|  | Emissions into air : TVOC* at 28 days | EN 16516≤ 0.01 mg/m³ ✓ |
|  | Reaction to fire | EN 13501-1B _s - s1, L, NCS ✓ |

919 | grey topography

The hybrid solution without compromise

sarlon® 15 dB

Sarlon is offering a unique product proposition in the market. Particularly for very demanding circumstances with heavy loads and intense traffic this product combines very good acoustic properties in combination with performance characteristics that are normally expected from a compact product. A true compact acoustic product.

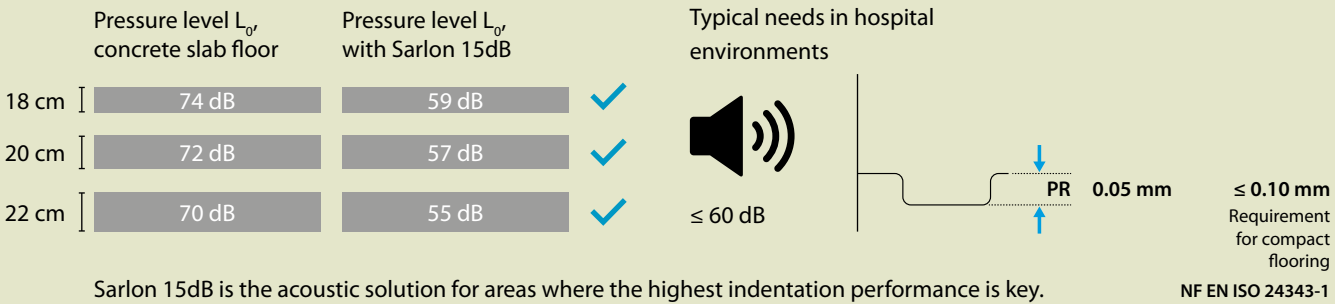
The wide choice of aesthetics and colours makes it suitable for many dynamic environments. The Xtrem PUR protection that is introduced with this new collection will ensure a high quality performance with easy maintenance for many years of use.

The full range of over 90 items is available in this one of a kind solution that is finding its way successfully already for many years in to a wide variety of demanding projects.



3812 | light grey cristal














Offering excellent residual indentation performance for an acoustic floor covering and perfect for high traffic environments



Sarlon 15 dB is a unique solution for areas with high acoustic requirements and the most demanding environments in terms of residual indentation performance. With chemical resistance, easy maintenance and long-lasting performance of Xtrem PUR™ it is the perfect solution in for example healthcare.

Technical specifications

Sarlon15 dB meets the requirements of EN 651 and ISO 11638

| | | Sarlon 15 dB |
|---|--|---|
|  | Total thickness | EN ISO 243462.6 mm |
|  | Wear layer thickness | EN ISO 243400.70 mm |
|  | Total weight | EN ISO 239972.700 g/m² |
|  | Impact sound reduction | EN ISO 717-2ΔLw = 15 dB ✓ |
|  | In-room impact noise | NF S 31-074Ln,e,w < 65 dB, Class A |
|  | Sound absorption | EN ISO 354EN ISO 11654αw = ± 0.05 |
|  | Residual indentation typical value Requirement | EN ISO 24343-10.05 mm ≤ 0.20 mm ✓ |
|  | Slip resistance | DIN 51130R10 ✓ |
|  | Dimensional stability | EN ISO 23999≤ 0.10 % ✓ |
| | Surface treatment | XtremPUR™ ✓ |
|  | Abrasion resistance | EN 660-2T ✓ |
|  | Stain resistance | EN ISO 26987Excellent ✓ |
|  | Emissions into air : TVOC* at 28 days | EN 16516≤ 0.01 mg/m³ ✓ |
|  | Reaction to fire | EN 13501-1B _s - s1, L, NCS ✓ |

3801 | pearl cristal

Committed to the future modul'up®

Modul'up is the best loose lay floor covering available for high traffic applications. It can be installed quickly without adhesives, but is even more time and cost efficient at time of replacement. Millions of m² has been sold around the world which has proven that the Modul'up adhesive free concept is trusted and reliable. The range is suitable for sustainable solutions due to the reusability of the product.

Modul'up is available in an acoustic (19 dB) and compact version. Both formats offer the best possible quality and durability, now enhanced with the introduction of XtremPUR™ protection on all products. Both have the benefit of not having to use installation adhesive and are very suitable for busy areas: installation time is reduced by up to

50% compared to standard, glued down products and there is minimal disruption or lingering adhesive odours. Modul'up can be walked on immediately after installation. As minimal subfloor preparation is required, over 20% of costs can be saved when using Modul'up compared to a standard, glued down product.

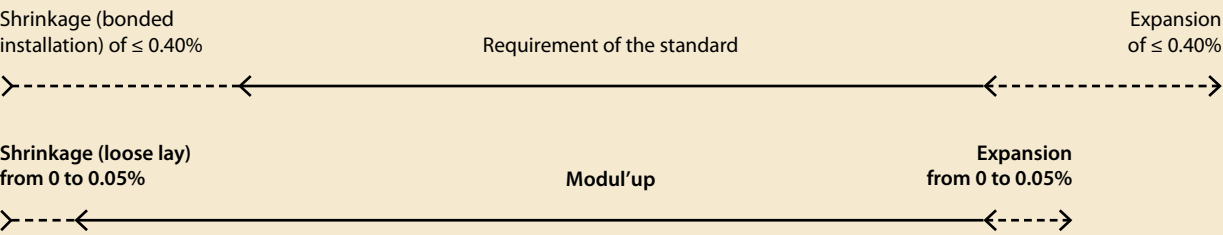
The full range in acoustic and compact is available in over 90 designs and colours, which makes this a concept that can be used in a wide diversity of applications and dynamics.

Both products offer the benefits that can be expected from products in the acoustic and compact category. It offers you solutions for every requirement, now and in the future.

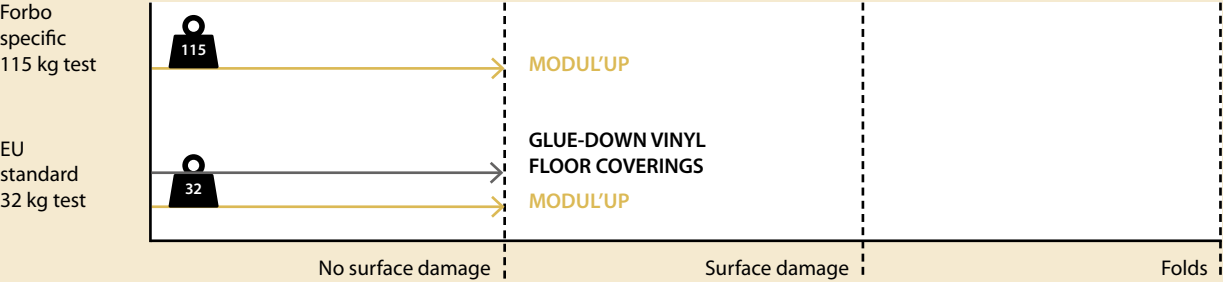


337 | indigo blue canvas 307 | pastel blue nairobi

Perfect dimensional stability | Dimensional stability test EN-ISO 23999



Resistance to extreme stresses | Results of the furniture leg resistance EN 424 (ISO 16581)

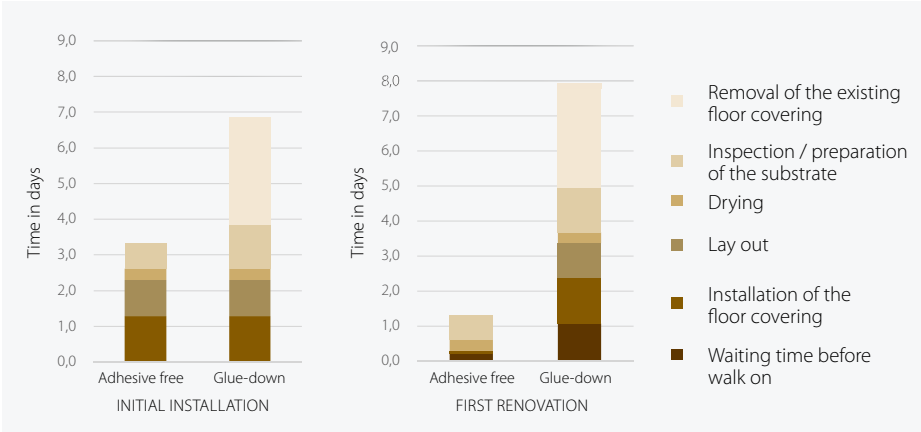


NEW BUILDS

- Shorter installation times
- Reduced maintenance and service costs
- Same supplied & fitted price as a glue-down floor covering (initial installation)

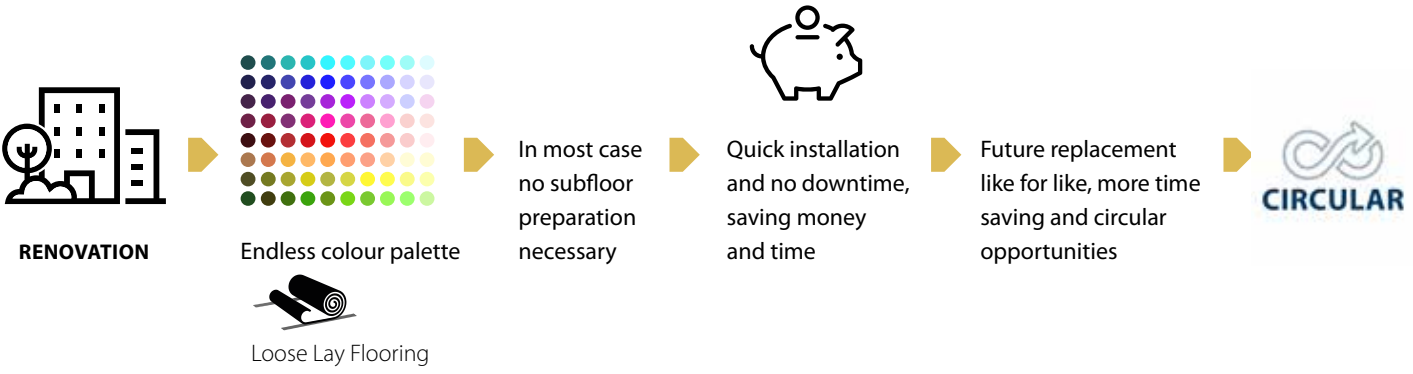
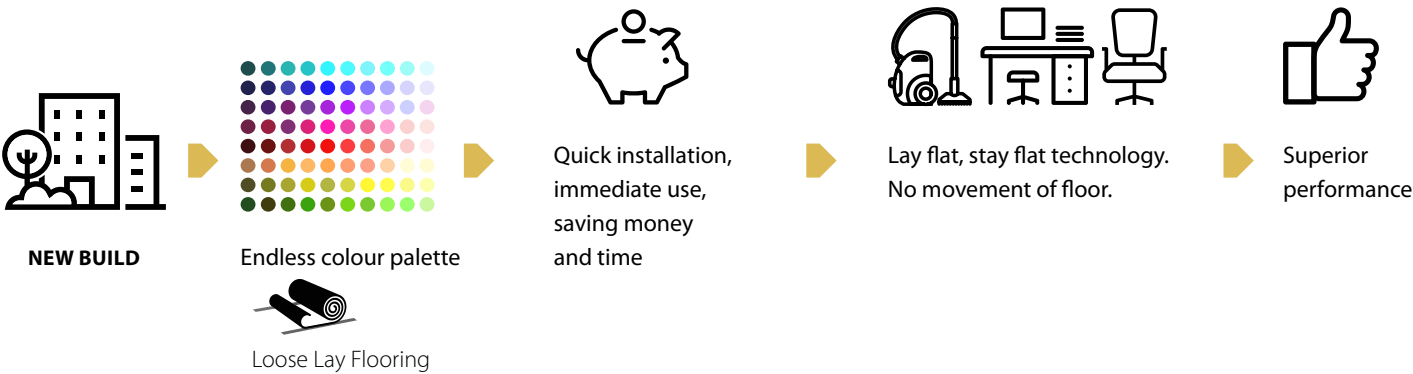
RENOVATIONS

- Installation while premises are in use without any disruption (noise, dust, adhesive odours etc.)
- Instantly ready for use after installation
- Possibility of covering old floor tiles (ceramic tiles, compact vinyl, etc.)



8422 | carbon oak

Modul'up adhesive free floors, the advantages at a glance



Loose lay flooring, the circular solution

modul'up® 19dB and compact

- Modul'up 19 dB**
- The adhesive free acoustic sheet solution
 - Rapid installation with minimal downtime and disturbance, and can be walked on immediately after use
 - Long term benefit of very quick removal, replacement and end of life recycling or reuse, saving money over time
 - As part of Forbo's Fast Flooring collection, Modul'up can reduce downtime by over 50% compared to standard, glued down products

- Modul'up compact**
- The adhesive free compact solution
 - Speed of installation and renewal reduces downtime and is immediately ready for use after installation.
 - High performance for heavy traffic and intense use, including where rolling loads may be part of the everyday use
 - Can be installed over existing flooring in many instances, removing the need for expensive and time-consuming subfloor preparatio



9309 | dark kubik 4804 | copper stardust

Modul'up is a proven adhesive free solution with millions m² installed around the world.

















Focusing on the present by anticipating the future.

Modul'up products are part of the circular economy product design concept and do not require any glue or tape.

Technical specifications

Modul'Up 19dB meet the requirements of EN 651 and ISO 11638. Modul'up Compact meet the requirements of EN 10582

| | | Modul'up 19 dB | Modul'up Compact |
|---|----------------------------|-----------------------------|-------------------------------|
|  Total thickness | EN ISO 24346 | 3.45 mm | 2.0 mm |
|  Wear layer thickness | EN ISO 24340 | 0.70 mm | 0.70 mm |
|  Total weight | EN ISO 23997 | 2.830 g/m² | 2.600 g/m² |
|  Impact sound reduction | EN ISO 717-2 | ΔLw = 19 dB | ✓ n.a. |
|  In-room impact noise | NF S 31-074 | Ln,e,w < 65 dB, Class A | Ln,e,w < 75 dB, Class B |
|  Sound absorption | EN ISO 354 EN ISO 11654 | αw = ± 0.05 | αw = ± 0.05 |
|  Residual indentation typical value | EN ISO 24343-1 | 0.08 mm | 0.02 mm |
|  Requirement | | ≤ 0.20 mm | ≤ 0.10 mm |
|  Slip resistance | DIN 51130 | R10 | ✓ R10 |
|  Dimensional stability | EN ISO 23999 | ≤ 0.10 % | ≤ 0.10 % |
|  Surface treatment | | XtremPUR™ | ✓ XtremPUR™ |
|  Abrasion resistance | EN 660-2 | T | T |
|  Stain resistance | EN ISO 26987 | Excellent | ✓ Excellent |
|  Emissions into air : TVOC* at 28 days | EN 16516 | ≤ 0.01 mg/m³ | ✓ ≤ 0.01 mg/m³ |
| Reaction to fire | EN 13501-1 | B ₀ - s1, L, NCS | ✓ B ₀ - s1, L, NCS |

Installation and complementary products

Modul'up single-sided tape

Modul'up tape is part of the Modul'up system. To get all the benefits of a complete adhesive free installation, Forbo Flooring recommends the use of the Modul'up tape.



PVC welding rod

Matching welding rods exist for all items in this collection. Look at our website for the full offer.



Sarlon Complete Step

An acoustic PVC floor covering that is specially made for installation on staircases. Thanks to the foam backing, Sarlon Complete Step ensures a good sound insulation of 17 dB. The stair nosing is integrated in the structure and has a different colour allowing a visible contrast.



Entrance Flooring

Entrance flooring is fundamental to modern building design. A well designed entrance flooring system will prevent dirt and moisture from being tracked in and thereby prolongs the life of interior flooring, reduces cleaning & maintenance costs and the potential for slip injuries. With both textile (Coral) and rigid (Nuway) Entrance Systems in our portfolio, we can offer an entrance solution for every situation.

Other acoustic and loose lay solutions



Acoustic Luxury vinyl tiles and planks come together in our **Allura decibel** collection.



When both acoustics and slip safety are important, you can choose **Surestep decibel**



Our natural Marmoleum combined with an acoustic layer, we offer **Marmoleum decibel** for noise reduction



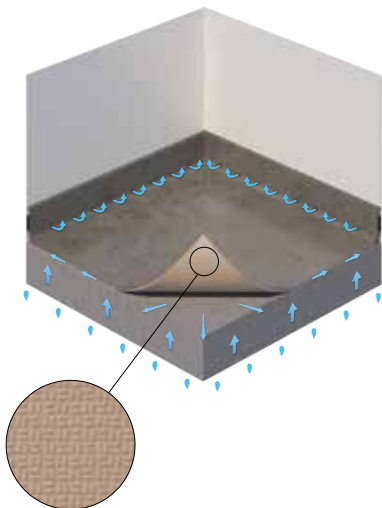
Pop up stores, supermarkets, large areas can be quickly updated with **Allura puzzle**.



Quick installation and no downtime can be realised with our loose lay luxury vinyl tiles **Allura Ease**.



Our luxury vinyl tiles **Allura click** can be linked together and ensure a solid loose lay solution.



Modul'up TE

The solution for damp sub floors. Installation of flooring on damp sub floors is a general issue in the market. Current solutions mostly contain a combination of products requiring a long, complex and costly installation process. Modul'up TE is an easy, economic and hassle-free solution for installation on damp subfloors. It can be installed in heavy traffic areas and it offers the benefits of loose lay installation.



inmind



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