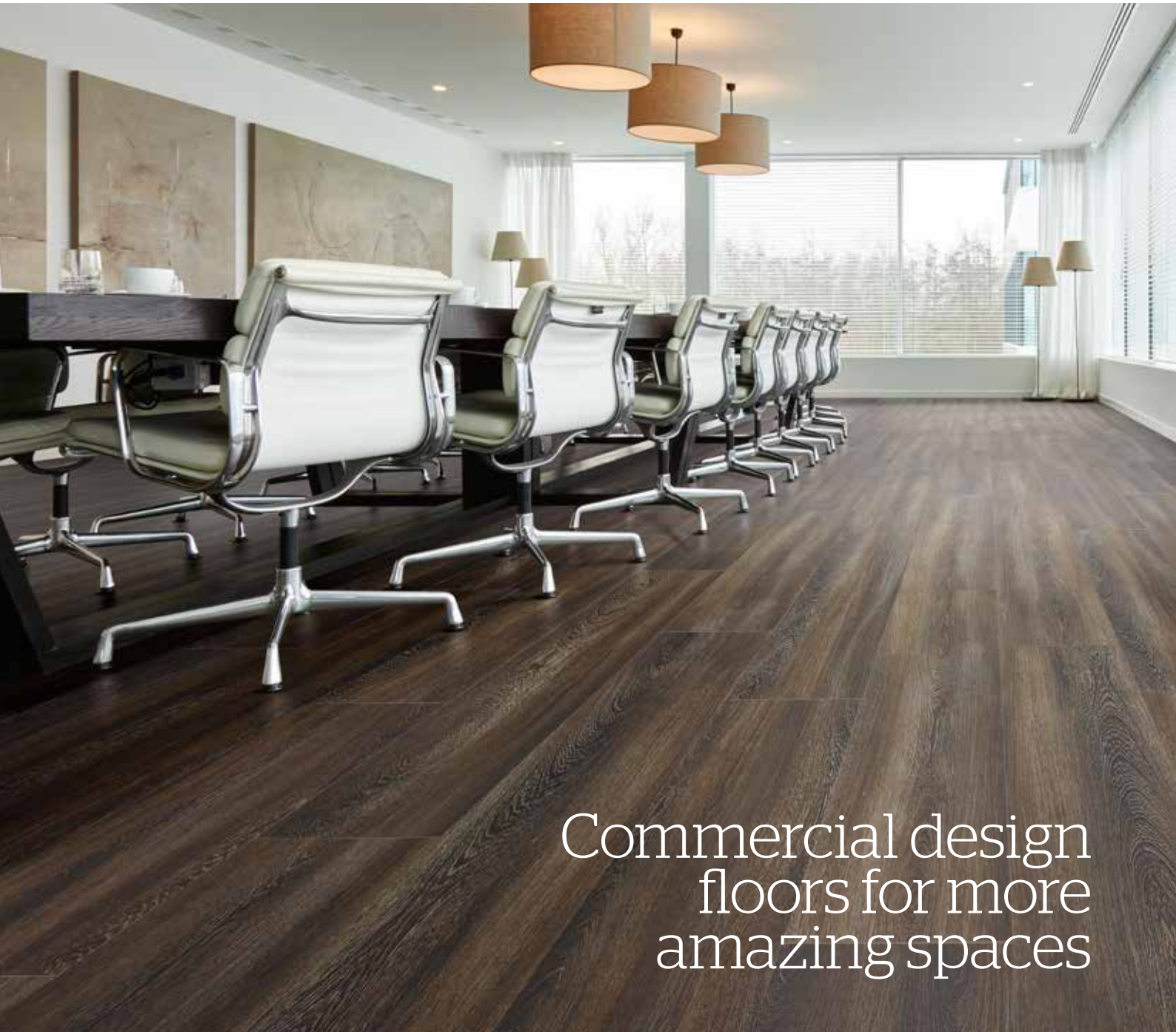


moduleo^{ivc}

Design Floors



Commercial design
floors for more
amazing spaces

TRANSFORM



Change is good. Change shapes the future and the success of a business.

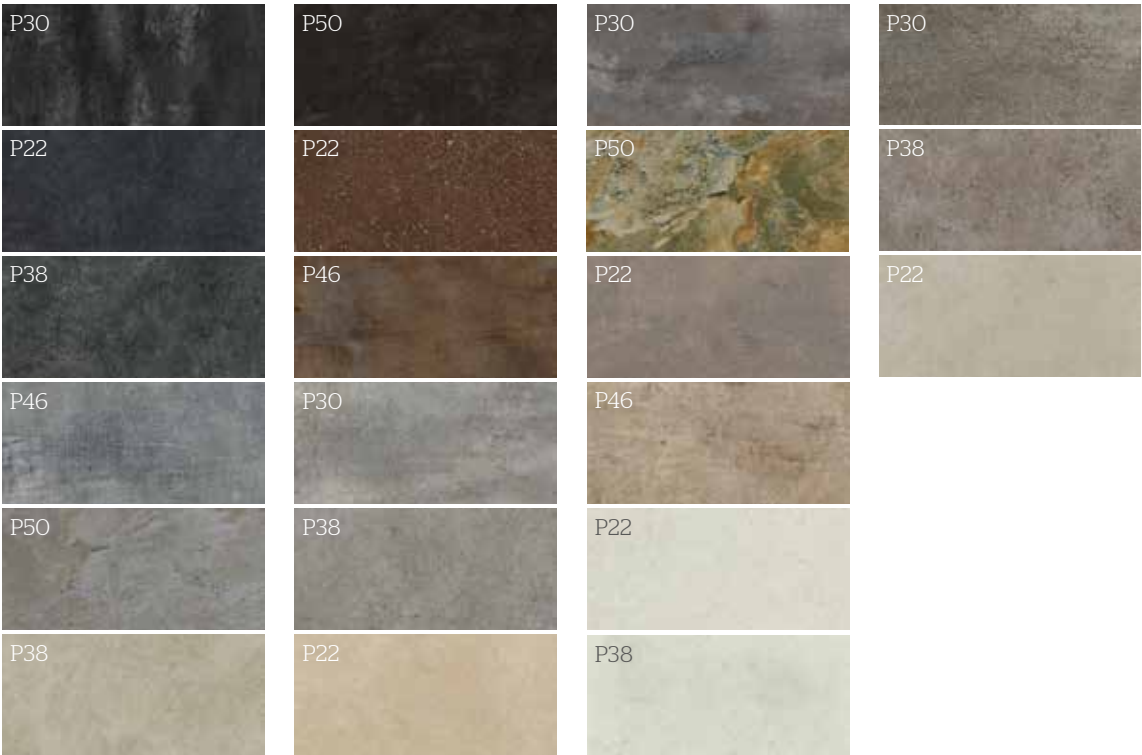
Moduleo®

Our range at a glance

Wood



Tiles





Change is good. Change shapes the future and the success of a business.

Redefining benchmarks in flooring.

Changing the way you work, the way you think and perhaps most importantly, changing the way the world sees you. We help businesses change from the floor up, creating remarkable spaces that work hard and look spectacular. It's also what drives us forward; always looking for new ways to make our products better, and make them in a better way.

Change begins with a single step;
a step onto Moduleo® design floors.

2	About us
4	Ecological responsibility
6	Retail
8	Hospitality and leisure
10	Office
12	Housing
14	Education
16	Health and care
18	Moduleo® Transform
50	Joint strips & Laying patterns
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58	Installation
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Changing the face (and floors) of business

Moduleo® is the next generation of luxury flooring, combining the look, feel and durability of real, natural materials, but with the straightforward installation and maintenance associated with vinyl flooring.

Moduleo® is brought to you by the IVC Group, a company with a rich and long heritage of producing beautiful, resilient flooring for almost any application.

Based in Belgium, Moduleo® is made at our unique 'green' factory in Avelgem, which was purpose built to manufacture our flooring in a responsible way. A fully automated warehouse facility on site also has the capacity to store 1,000,000m² of Moduleo® flooring.

Besides the numerous energy saving and waste reduction measures in place, our plant also ensures that unlike other manufacturers, we 'own' the entire design, manufacture and logistics process, without the need to import material from external suppliers. This allows us to retain total quality control at every stage of the journey.

A complete flooring solution

The versatility of an entire family of IVC brands means that we are able to offer the commercial world the convenience of a one-stop flooring solution to suit all areas of a project.

 **moduleo**
Design Floors by 

 **moduleo**
Design Floors

 **leoline**
resilient floors

FLEXITEG
The Floor with more

 **itec**
Contract Floors



Research and development

Design

Manufacturing

Packaging

Distribution

Change for the better

At Moduleo®, we are acutely aware of the impact of our operations and are committed to changing the manufacturing of luxury vinyl floors, by leading the way in ecological responsibility.

By choosing Moduleo® flooring for your project, you're choosing a floor that will only make an impact on design spaces, not the planet.



Production with green energy

Our production facility in Avelgem is equipped with three wind turbines that fulfill the strictest health and safety standards for noise and visual pollution. The turbines can operate at up to 13.3 GWh/year and fulfill one third of the energy needs of the plant.



Strict raw material checks

Moduleo® consciously opts for production processes that meet the international standards. All suppliers must comply with the REACH regulations.



Made in Belgium

All Moduleo® design floors are made in Belgium. By siting our production as close as possible to our customers we avoid the need for environmentally damaging long haul transport.

That's a deliberate choice of ours, to minimize CO₂ emissions and our ecological footprint.



Up to 50% recycled material

Moduleo® floors contain up to 50% recycled and certified material.

Post-industrial recycling also enables us to obtain an especially 'pure' type of PVC with a very limited impact on the environment.



Water-based inks and PU coatings

For our printing processes we make exclusive use of environmentally friendly water-based ink and PU coatings



Limited waste, extensive recycling

At Moduleo®, we are constantly looking for new and better ways to package our products and reduce and recycle waste.



Retail

Every retail environment will – hopefully – see heavy footfall of customers and employees, so it needs a floor that not only provides a welcoming and aesthetically appealing welcome, but also can be relied upon to be safe and hardwearing.

Moduleo®'s durability ensures it's as hardworking as it is good looking, while its R10 slip rating provides the peace of mind that all staff and visitors are well protected. The huge range of design choices offered by the Moduleo® collection means that there's a style for any type of store, while sound dampening benefits also help to create a welcoming ambience, free from unwanted noise.



TRANSFORM - Cotton Wood 20219

Case study

Sector Retail

Client Computer Home, Luxembourg

Situation As a store specializing in PC and Mac computers, the store required a modern look and as an Apple retailer, a certain aesthetic quality is expected. The store was expecting high footfall, yet a calming ambience is desirable.

Solution Moduleo® Transform Click Classic Oak and Xtrafloor underlay.

Classic Oak is the perfect choice to provide an attractive, yet understated foundation to the retail environment. The 0.55mm wear layer and Protectonite® PU coating means that the flooring can stand up to many years of busy commerce and still look its best.

The Click installation allows the store to retain a level of flexibility to accommodate layout changes.





Hospitality and leisure

For any hotel or restaurant, first impressions are vital. The creation of an inviting, beautiful entrance can make all the difference to the experience guests have, so the design freedom offered by the Moduleo® collection is a huge help.

Not only are Moduleo® floors beautiful, but they are also hardwearing enough for many years of reliable service and conform to all the safety standards required for public spaces.

Case study

Sector Hospitality and leisure

Client Bowlingbaan Scheveningen,
Netherlands

Situation Bowlingbaan Scheveningen is one of the largest bowling centres in the Netherlands, and is home to The Hague Bowling Association, disco bowling, amateur bowling and numerous parties. The nature of the events meant they required a maintenance friendly, durable floor with a natural appearance.

Solution Moduleo® Transform Latin Pine

Moduleo®'s sound insulating properties were key in this application where a high level of ambient noise is already present. This along with the rustic effect of Latin Pine lends a welcoming and attractive space for all visitors. The ease of maintenance of Moduleo® was a key benefit, while the waterproof top layer and R10 slip rating ensure that the alleys are the only slippery surface at Bowlingbaan Scheveningen.





Office

Moduleo® floors provide an attractive, quiet flooring for office environments, lending the effect of beautiful natural floors, but without their drawbacks. The excellent sound insulating properties of Moduleo® reduces impact sounds from footfall or chairs, as well as ambient sounds, to create a working environment that is free from excessive noise.

The stunning designs in the range also mean that clients and customers get a fantastic first impression, while the durability of Moduleo® flooring means that it can stand up to the demands of high traffic areas with ease.

Case study

Sector Office

Client Randstad, Belgium

Situation Randstad is one of the major HR service providers in Belgium, specialising in temporary employment, recruitment and selection, outplacement, training, in-house offices, HR and project sourcing. It is also the largest employer in Belgium.

Solution Moduleo® Transform Verdon Oak

Randstad wanted to unify its workforce in new offices rather than have staff in many locations. The modern design of Moduleo® Verdon Oak and the extreme durability of the product ensures high long-term performance.





Housing

Boasting all the attributes needed for modern everyday family life, Moduleo® makes an ideal flooring solution for social housing projects where good looks and durability are key. The particular demands placed on residential spaces by children are easily met by Moduleo®, with impact resistance making them safe for play, while sound insulating properties ensures there'll be noisy neighbor disputes.

Thermal performance is also an added benefit for social housing, helping to reduce energy consumption, while the choice of designs in the range ensures that residents have an inspirational start to their living space.



Case study

Sector Housing

Client Sleepdorm, UK

Situation Sleepdorm is a modern hostel based in the heart of Newcastle. Offering contemporary budget accommodation in communal and private rooms, key considerations included a natural look, performance and price. Sleepdorm wanted a realistic, hard wearing and easy maintainable floor covering to be used in high traffic areas in a new hostel style hotel. The product had to be fresh and minimalistic.

Solution Moduleo® Transform Baltic Maple

The minimalist effect of Baltic Maple added to the contemporary style of the hostel, providing a stylish place to sleep. A comfortable night's sleep is aided by the acoustic properties of Moduleo®, while the durable wear layer means that furniture and footfall have minimal impact. Ease of cleaning is a major benefit, helping to maintain a clean and hygienic environment.





Education

An environment that is conducive to learning is one that is quiet, clean and inspiring. Moduleo® floors have these qualities in abundance. Sound insulation dampens the noise of everyday school or college life, while the safety of young people is ensured with R10 slip ratings, even in areas liable to spillages such as toilets or changing areas.

A healthy environment can also be maintained as Moduleo® does not harbour dust mites or any other allergens, while the scuff and scratch resistant coverings are handy in spaces where desks and chairs are constantly on the move.

Case study

Sector Education

Client Erasmus school De Pinte, Belgium

Situation Floor coverings in schools must meet very strict requirements. They must be robust, durable, warm, comfortable and hygienic. Also, student and staff safety is paramount.

Solution Moduleo® Transform Concrete

Moduleo® Transform Latin Pine

Available in different colours for a pleasant learning environment, Moduleo® has the perfect combination of high wear layer, compact construction height and slip resistance (R10) to ensure maximum service life. Moreover, floors from the Moduleo® collection are very easy to clean thanks to the revolutionary PU Protectonite® wear layer.





Health and care

Any healthcare building should be a place that promotes comfort and wellbeing, not to mention ensure the safety of its patients. The way that Moduleo® floors does not harbour dust and its easy clean properties make it an ideal choice to maintain a bacteria free environment, while the sound absorption qualities contribute to a calming space.

Care and recovery is not just about practical matters. An aesthetically pleasing environment can be very therapeutic, so the array of elegant designs offered by Moduleo® is perfect for communal areas and for private care spaces.

Case study

Sector Health and care

Client Brühler Turnverein, Germany

Situation A busy gym and rehabilitation centre required a multi-purpose flooring with multiple benefits. Durability was a key factor, due to heavy equipment being used, while maintaining a calm environment for recuperation was essential.

Solution Moduleo® Transform Classic Oak

The Click installation method allowed for minimum disruption to staff and patients, ensuring care levels were not compromised. Additional Xtrafloor underlay was used for improved acoustics, while a high surface strength gave protection from heavy loads and sliding movements of fitness equipment. The unique Protectonite® coating also maintains a hygienic environment, free from dirt and scratches.



Moduleo® Transform Transform by name, transform by nature.

This hardwearing vinyl flooring solution is a perfect blend of quality and performance. Its 0.55mm wear layer makes Moduleo® Transform ideal for commercial use, even in high traffic environments. With a 10-year warranty, this range aims to transform interiors for the long run.

KEY FACTS

- ▶ 39 wood designs
- ▶ 21 tile designs
- ▶ Dryback and Click
- ▶ 10-year commercial warranty



See back of brochure for full technical specifications





It is a wonderful thing, to
take your thoughts, and
transform them into reality

Azuriet



46880



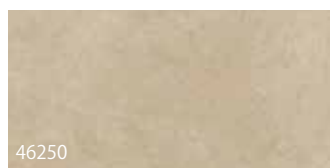
46860



46148



46280



46250



46985

Glitter effect on all products









Baltic Maple



28884



28230

Blackjack Oak



22937



22220



22229



22246



22862



22215









Classic Oak



24235



24234



24850



24438

Concrete



Metallic effect on all products. Also available in square tiles.









Cotton Wood



Also available in XL Plank

Ethnic Wenge









Fazino Maple



Metallic effect on all products

Jura Stone









Latin Pine



24868



24142



24242



24852



24580



24874

Montreal Oak



24825



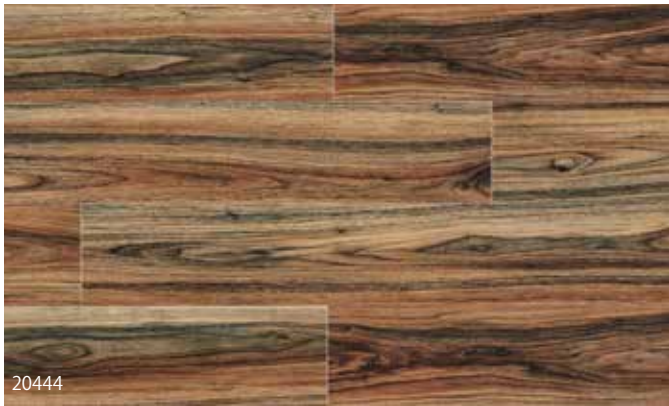
24570







Persian Walnut



Steelrock



46832



46234



46940

Metallic effect on all products









Verdon Oak



24885



24117



24237



24280



24232



24936



24962



24984

Also available in XL Plank

Zeera Slate





Joint strips

30 strips / box

Moduleo® joint strips are individually coloured to complement our range of flooring. The strips can be used to imitate the use of a grout finish or add sophistication to wooden execution.

311S White
914mm x 4mm



321S Beige
914mm x 4mm



335S Dark Beige
914mm x 4mm



960S Light Grey
914mm x 4mm



390S Grey
914mm x 4mm



382S Silver
914mm x 4mm



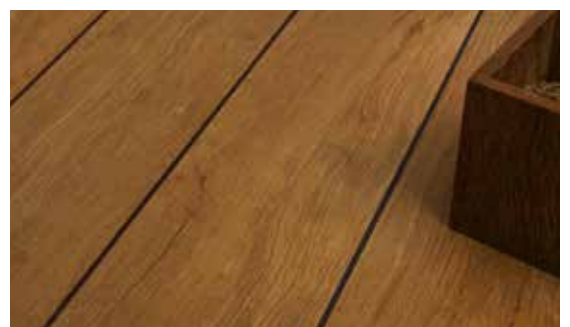
395S Dark Grey
914mm x 4mm



985S Black Glitter
914mm x 4mm

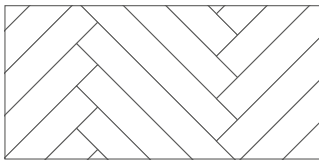


399S Black
914mm x 4mm

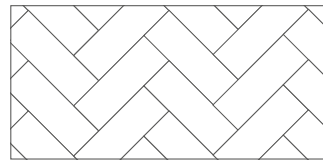


Laying patterns

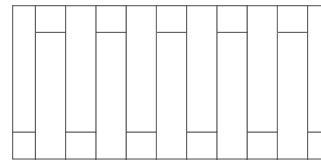
Create distinctive, unique looks for commercial projects by utilising either standard size options or our special patterns. Below you can find some examples.



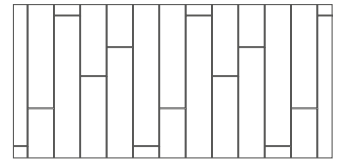
Herringbone
196mm x 1320mm



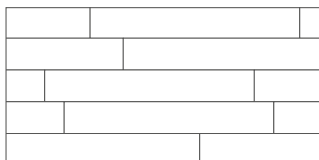
Herringbone (customisation)



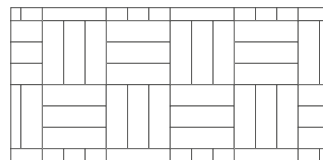
Brick formation
196mm x 1320mm



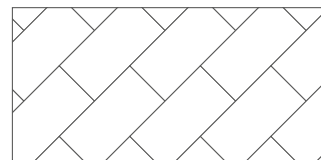
Deck formation
196mm x 1320mm
Joint strip
4mm x 914mm



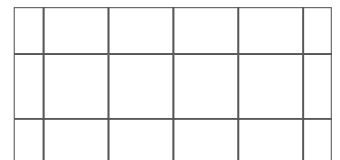
Straight lay
196mm x 1320mm



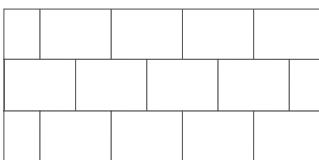
Wood block (customisation)



45° angle
329mm x 659mm



Straight lay
493mm x 493mm



Brick bond
329mm x 659mm
Joint strip
4mm x 9140mm

Standard product sizes

TRANSFORM WOODS

246 x 1498 mm* (XL)

241 x 1494 mm* (XL)

196 x 1320 mm

191 x 1316 mm

Dryback

Click

TRANSFORM TILES

191 x 1316
mm

324 x 655
mm

493 x 493
mm*

Click

Dryback

* Only on selected products

Research & Development

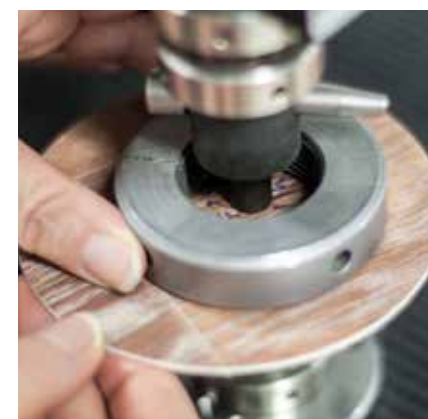
Using the very latest in CAD/CAM software, our designers take pride in creating virtually flawless reproductions of natural materials. We involve our customers in the creative process and keep close tabs on ever-changing trends in the market.

Our global knowledge and unmatched design expertise makes us the ideal partner for any project. With a dedicated commercial sales team offering practical help and support, we're able to provide a speedy, flexible service.

Fast delivery and personal service

We have an extensive standard collection and we also offer custom made solutions. Moduleo® is your guarantee of personal service and the fast delivery of your products. Because we manage the entire design and production process from our establishment in Belgium, we are able to act quickly on any request for a specific product.





Strict quality control

Moduleo® has a strict in-house system for testing and quality assurance. This is with a view to guaranteeing that every floor offers the best possible performances and quality for your commercial project.

Our quality tests:

- ▶ Crack resistance testing
- ▶ Delamination testing
- ▶ Residual indentation testing
- ▶ Castor chair testing
- ▶ Dimensional stability and curling
- ▶ Furniture leg testing
- ▶ Ramp test for slip resistance
- ▶ Pendulum test for slip resistance
- ▶ Surface roughness testing
- ▶ Thickness and wear thickness testing

Why choose Moduleo®?

Moduleo® delivers extremely realistic imitations of wood and stone thanks to a unique production process. Via the patented '**Surface Layer Complex**', Moduleo® has refined the multi-level format to make the flooring extra strong and durable. It describes how you produce Moduleo® via 'spread coating', combined with calendered backing and two glass fibre layers.

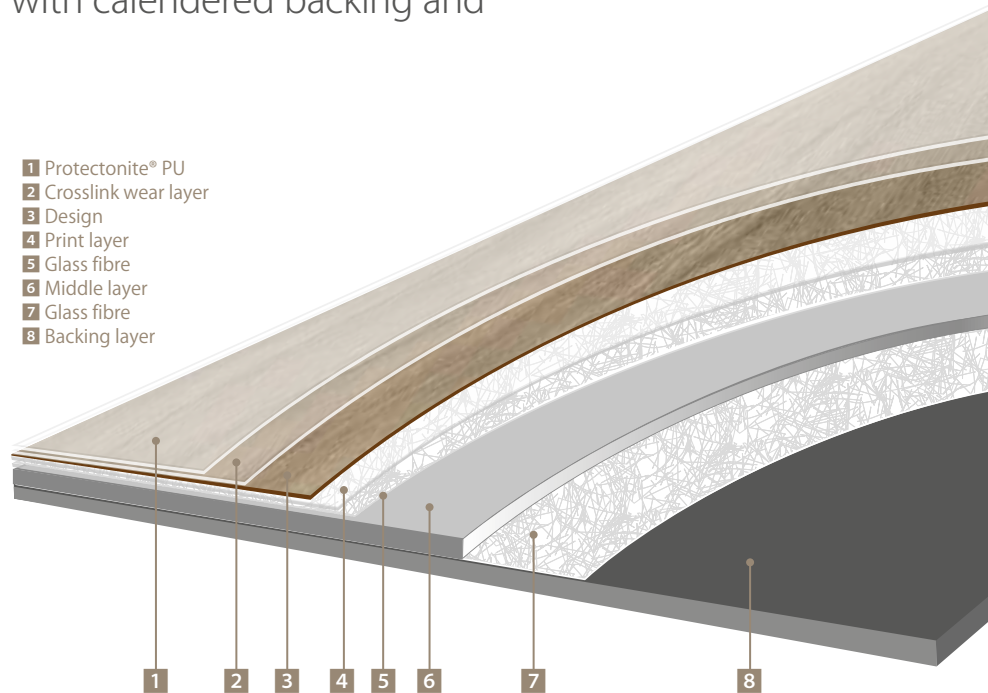
Patented 'Surface Layer Complex'

The five-layer complex is first melted as an intermediate product at high temperature for several minutes until it forms a strong whole. At the same time, the 'crosslinking' of the wear layer and lacquer takes place. This results in a strong bind between all the layers, meaning they are virtually impossible to separate.

In the backing or **underlay**, there is an additional reinforcement with glass fibre, which translates into a unique 'reinforced sandwich panel' structure. The result: super dimensional stability.

Moduleo® combines the best performances with the highest quality.

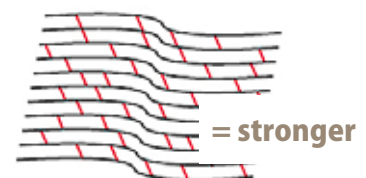
- 1 Protectonite® PU
- 2 Crosslink wear layer
- 3 Design
- 4 Print layer
- 5 Glass fibre
- 6 Middle layer
- 7 Glass fibre
- 8 Backing layer



Crosslink wear layer

An additional crosslink wear layer is moulded onto the wear layer. This is subsequently chemically cross-linked. This process provides a stronger, more stable and more sustainable result than a traditional wear layer.

Moduleo® has a Crosslink wear layer

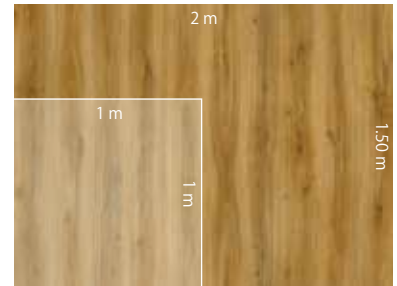


Extra large design



More natural variation and less repeating of the same patterns. This is how Moduleo® develops its **designs**. Our print technique and the large cylinders we use create an authentic floor with hardly any repetition of planks or patterns. Our bestseller format (1320x196cm) has no fewer than 90 unique planks per design, which represents over 23m².

Less repetition in patterns



Standard design
1x1m

Moduleo® design
2x1.5m



Perfect dimensional stability

All Moduleo® designer floors have an extremely high dimensional stability thanks to the patented construction with **double glass fibre layer**. The floor does not present any signs of piercing or swelling under intensive use. Just beneath the surface there is a first glass fibre layer, which is unique to Luxury Vinyl Tiles (LVT) and provides extra impact and tear strength. The glass fibre is embedded into a flexible layer that is right under the harder wear layer and therefore feels very comfortable underfoot. The second glass fibre layer is just above the backing layer.

Double glass fibre layer

Glass fibre has the natural property of making the product stronger and more stable.

Standard = EN ISO 23999

<0.25%

Moduleo®

<0.05%



Protectonite® PU protective layer

Every floor is protected with **Protectonite® PU**: an additional polyurethane layer that protects the floor against scratches and dirt. The result: maximum protection and minimum maintenance. This special layer is high quality PU, but is also additionally cross-linked. This makes our protective layer stronger and more resistant to stains than other LVT (stain tests have proven this).





High resolution print

It is hard to discern any difference from natural wood or natural stone. This is thanks to our unique printing technique with a very fine dot screen. It prints the pattern in high resolution on a flexible white print layer via 'HD water-based printing'.



IAQ - Indoor Air Quality

Our quality guarantees far exceed the legal requirements. Moduleo® has achieved a large number of international certifications: ISO 9001, ISO 14001, indoor air quality A+, BRE A+.



Guaranteed quality

A 10-year warranty applies to all Moduleo® project floors.





Natural look & feel

Moduleo® floors are virtually impossible to distinguish from natural materials. This is thanks to the strict selection of natural, fresh designs and the extensive range of realistic imitation structures.



Hygienic and low maintenance

You do not need any expensive cleaning agents to keep your floor looking its best. By contrast to carpet, a Moduleo® floor will also not gather any dust mites or other allergens.



Realistic V-groove

The V-groove on the four sides accentuates the Moduleo® planks and tiles, and contributes to the natural appearance of the floor.



Slip and impact resistance

Our floors are extensively tested under critical conditions. They have passed the pendulum test and ramp test for slip resistance with flying colours. The result: a safe floor with an anti-slip value of R10.



Moisture-resistant

Moduleo® floors are hygienic and exceptionally well suited to spaces that are prone to slips, such as kitchens and bathrooms. This is thanks to their low maintenance and moisture-resistant wear layer.



Thermal insulation

A Moduleo® floor feels warm and even helps to save energy thanks to the exceptional thermal insulation. The insulation is perfect for a combination with underfloor heating.



Sound insulating

Better acoustics and less noise in busy spaces. That is what Moduleo® guarantees with its sound-insulating base, by contrast to less absorbent traditional parquet or laminate floors.



Installation

Moduleo® is a solution that is flexible to install. The planks and tiles can be traditionally glued on the ground (Dryback) or laid using a simple, fast Click system.



► Gluing



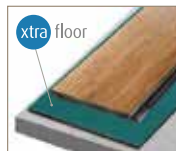
► Clicking



Dryback

The traditional installation method: the planks and tiles are fully glued using an appropriate **glue** on a perfectly prepared subsurface that is hard, dry and free of defects.

For optimum gluing of Moduleo® Dryback, we advise you to use Xtrafloor® glue.



Click

The planks and tiles are placed in suspension on top of a solid, even subsurface. This renders the use of glue unnecessary.

The unique **LockXpress [LXP]®** system with handy tongue and groove joint allows for easy and user-friendly installation.






To even out the subsurface still further and achieve even better soundproofing, we

recommend the use of **Xtrafloor®** subfloor.

More information on Xtrafloor® products available at www.xtrafloor.com

Click on www.moduleo.com for extensive installation information.

	 DRYBACK	 CLICK	 LockXpress [LXP]®
Characteristics & advantages	Worldwide standard method for LVT Best value for money Designs, many combination possibilities	Easy to install Fast installation	
Thickness	2.50 mm	4.50 mm	
How to install	Adapted LVT glue	Suspended with patented click system	
Moduleo® USP	Double glass fibre: best dimensional stability on the market	Double glass fibre: best dimensional stability on the market Improved click system: Vertical locking system twice as strong	

Moduleo® Transform Dryback



Product information

Use class	EN ISO 10874	23 - 33 - 42
Total thickness	EN ISO 24346	2.50 mm
Wear layer	EN ISO 24340	0.55 mm
PUR wear layer treatment		Protectonite®
Total weight	EN ISO 23997	4,059 g/m ²

Format & packaging

Planks A	EN ISO 24342	196 mm x 1320 mm	14 pieces per box	3.62 m ² per box
Planks B	EN ISO 24342	246 mm x 1498 mm	10 pieces per box	3.69 m ² per box
Tiles A	EN ISO 24342	329 mm x 659 mm	16 pieces per box	3.47 m ² per box
Tiles B	EN ISO 24342	493 mm x 493 mm	14 pieces per box	3.40 m ² per box

Test results

Fire class	EN 13501	Bfl-S1
Scratch resistance	EN 660-2	Class T
Straightness & rectangularity	EN ISO 24342	≤ 0.25 mm (Tiles B) / ≤ 0.35 mm (Planks A, B and Tiles A)
Anti-slip	EN 13893	DS
Slip resistance	DIN 51130	R10
Residual indentation	EN ISO 24343-1	Standard: ≤ 0.10 mm - Average measured result: 0.03 mm
Furniture leg testing	EN ISO 16581	No cracks, no damage
Curling	EN ISO 23999	≤ 2 mm
Electrical resistance	EN 1081	≤ 10 ⁹ Ohm
Dimensional stability	EN ISO 23999	Standard: ≤ 0.25% - Average measured result: ≤ 0.05%
Thermal insulation	EN 12524	0.25 w/(m.K)
Thermal conduction resistance R	EN ISO 12664	0.0100 m ² .K/W
Electrostatic propensity	EN 1815	< 2kV
Formaldehyde group	EN 717-1	E1
Impact sound insulation	EN 140-8	4 dB
Resistance against chair castors	EN 425	No damage to wear layer, no delamination
Stain resistance	EN ISO 26987	Very good
Light fastness	ISO 105-B02	≥ 6
Underfloor heating	EN 12524	Suitable, max. 27 °C
Warranty		10-year commercial

The warranty covers manufacturing defects and premature wear and tear during normal use.



Protectonite®



Wear resistant & stain resistant



Moisture resistant



Natural look & feel



Noiseless



Moduleo® Transform Click



Product information

Use class	EN ISO 10874	23 - 33 - 42
Total thickness	EN ISO 24346	4.50 mm
Wear layer	EN ISO 24340	0.55 mm
PUR wear layer treatment		Protectonite®
Total weight	EN ISO 23997	7,681 g/m ²

Format & packaging

Planks A	EN ISO 24342	191 mm x 1316 mm	7 pieces per box	1.76 m ² per box
Planks B	EN ISO 24342	241 mm x 1494 mm	6 pieces per box	2.16 m ² per box
Tiles	EN ISO 24342	324 mm x 655 mm	7 pieces per box	1.49 m ² per box

Test results

Fire class	EN 13501	Bfl-S1
Scratch resistance	EN 660-2	Class T
Straightness & rectangularity	EN ISO 24342	≤ 0.35 mm
Anti-slip	EN 13893	DS
Slip resistance	DIN 51130	R10
Residual indentation	EN ISO 24343-1	Standard: ≤ 0.10 mm - Average measured result: 0.03 mm
Furniture leg testing	EN ISO 16581	No cracks, no damage
Curling	EN ISO 23999	≤ 2 mm
Electrical resistance	EN 1081	≤ 10 ⁹ Ohm
Dimensional stability	EN ISO 23999	Standard: ≤ 0.25% - Average measured result: ≤ 0.05%
Thermal insulation	EN 12524	0.25 w/(m.K)
Thermal conduction resistance R	EN ISO 12664	0.0159 m ² .K/W
Electrostatic propensity	EN 1815	< 2kV
Formaldehyde class	EN 717-1	E1
Impact sound insulation	EN 140-8	4 dB
Resistance against chair castors	EN 425	No damage to wear layer, no delamination
Stain resistance	EN ISO 26987	Very good
Light fastness	ISO 105-B02	≥ 6
Underfloor heating	EN 12524	Suitable, max. 27 °C
Warranty		10-year commercial

The warranty covers manufacturing defects and premature wear and tear during normal use.



Protectonite®



Wear resistant & stain resistant



Moisture resistant



Natural look & feel



Noiseless







a division of **ivc** group

Belgium

Nijverheidslaan 29
B-8580 Avelgem
Tel: +32 56 65 32 11
Fax: +32 56 65 32 29
www.moduleo.com

United Kingdom

23 Royal Scot Road
Pride Park
Derby DE24 8AJ
Tel: +44 1332 8515 00
Fax: +44 1322 8515 01
www.moduleo.co.uk

Germany

Reisholzer Werfstrasse 33
40589 Düsseldorf
Tel: +49 211 598 930 00
Fax: +49 211 598 930 01
www.moduleo.de

Russia

Visitor address:
Leningrad Oblast
Vsevolozhsky district,
Novosaratovka village
Utkina Zavod industrial park
MLP-KAD, building 3,
quays 13-15
Tel: +7(812) 7777 981
Fax: +7(812) 7777 986

Postal address:

193149,
Saint Petersburg,
Oktyabrskaya embankment,
118/7
PO Box 29