



Distributor:

www.impervia.co.uk



IMPERVIA® is the best option for flooring where natural engineered timber is considered too expensive or unsuitable. Technical details can be found further on in this brochure.

Flooring Solutions for Architects and Designers:

IMPERVIA® can be used anywhere in the home, restaurant, hotel or office, in fact anywhere that has a floor. We have installed it in canteens as well as retail outlets. The images below show some of our colour and finish ranges. The surface is textured, and the production method we use, compared to others, is that this texture generally follows the grain, making it look and feel like real wood.

IMPERVIA® flooring It is perfect for Kitchens, Living Rooms, Bathrooms, Basements as well as open plan living and apartments. It is waterproof and with a low slip risk in the wet, it will be safer than ceramic tiles.

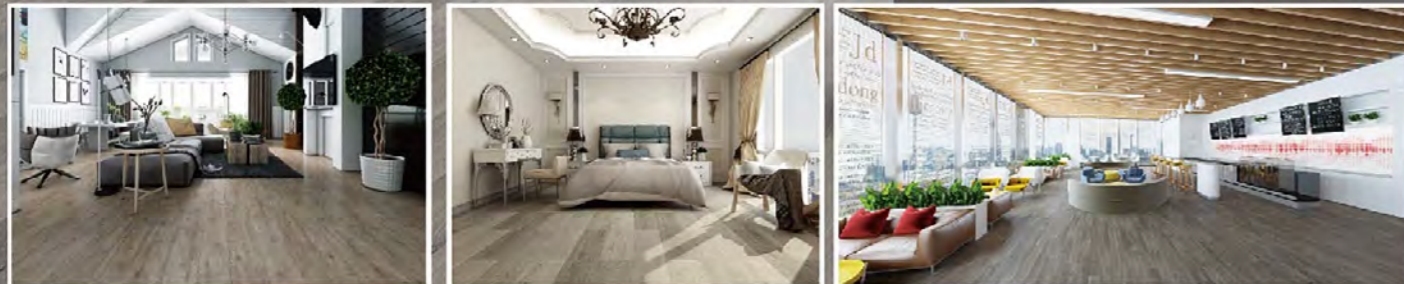
IMPERVIA® is a great choice for rental properties as it is easy to replace single or multiple boards if needed, using the simple push fit system fitting costs are lower. Because it is a simple push fit system the floor can be installed by anyone. You just need a hammer with a plastic head and a straight edge and knife.

You can even clad your walls with IMPERVIA® using an adhesive if required as it is also Fireproof. Use our Herringbone to create a ladder pattern or any other design on your walls.

There is a video here that shows how to fit IMPERVIA® and another one that shows the latest push fit system. There are useful links below where you can see how to fit this flooring and hints on installation:

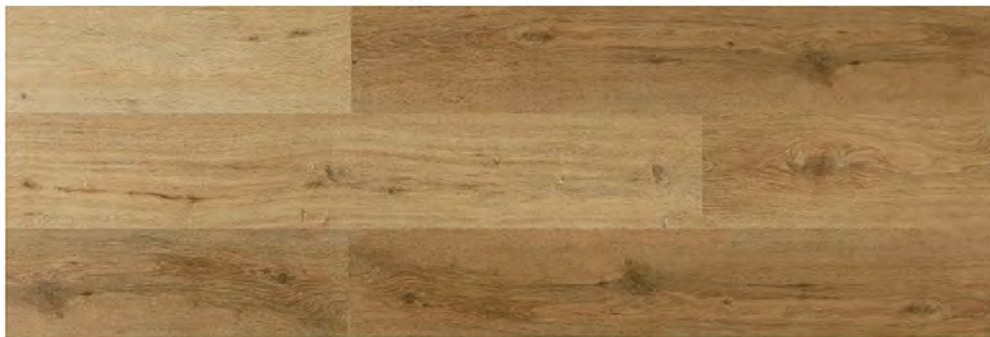
- <https://youtu.be/m0ias7Mn4xE>
- <https://youtu.be/iaVgD6abo78>
- <https://youtu.be/LLbnCwGkEUw>
- https://youtu.be/_ld9QxY9CTM

We can make designs to meet your requirements subject to lead time and quantity. The paper décor layer is available in virtually any colour and design. With our IMPERVIA® we prefer to follow the traditions of wood flooring, which has a clean contemporary look. All you need to fit IMPERVIA® is a flat subfloor with installation more economical and easier than any other floor, because you do not need any adhesives.



100% Waterproof

Impervia Luxury Flooring is made using the latest extrusion technology where the core is a stone composite. This core provides a stable, waterproof and durable board which results in unrivalled stability.



| | |
|-------------------|--|
| Board Size | 228mm x 1524mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0848m ² |
| Kg per carton | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 6 boards per carton |
| Surface | EIR (registered emboss) texture feels as grain looks |
| Surface finish | Water based UV ceramic ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required - floating floor installation only |

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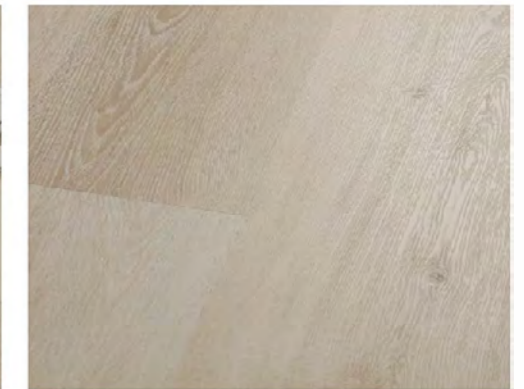
IMP-9005-1

Colour: Natural Oak



IMP-9005-5

Colour: White Washed Oak



| | |
|-------------------|--|
| Board Size | 228mm × 1524mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0848m ² |
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| Adhesive | None required - floating floor installation only |

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IMP-9005-6
Colour: French Grey Oak



IMP-9005-7
 Colour: Espresso Oak



| | |
|-------------------|--|
| Board Size | 228mm x 1524mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
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| Kg per carton | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 6 boards per carton |
| Surface | EIR (registered emboss) texture feels as grain looks |
| Surface finish | Water based UV ceramic ultra matt coating |
| Locking System | Valinge 5GI patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required - floating floor installation only |



| | |
|-------------------|--|
| Board Size | 228mm x 1524mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0848m ² |
| Kg per carton | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 6 boards per carton |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required - floating floor installation only |

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IMP-6118-3
Colour: DRIFTWOOD GREY OAK



IMP-LS2453

Colour: FUMED OAK



| | |
|-------------------|--|
| Board Size | 228mm x 1524mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0848m ² |
| Kg per carton | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 6 boards per carton |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic ultra matt coating |
| Locking System | Valinge 5GI patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required - floating floor installation only |

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| | |
|-------------------|--|
| Board Size | 228mm x 1524mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0848m ² |
| Kg per carton | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 6 boards per carton |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic ultra matt coating |
| Locking System | Valinge 5GI patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required - floating floor installation only |

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IMP-LS-2455
Colour: DEEP FUMED OAK



IMP-LS52456

Colour: SCANDINAVIAN OAK



| | |
|-------------------|--|
| Board Size | 228mm x 1524mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0848m ² |
| Kg per carton | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 6 boards per carton |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required - floating floor installation only |

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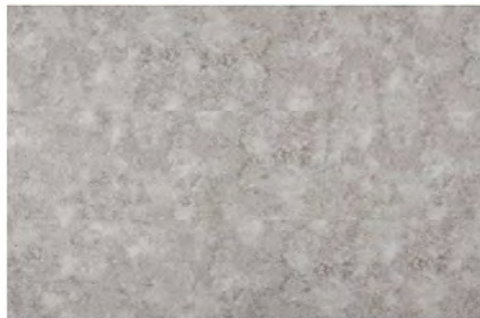
IMPERVIA STONE EFFECT TILES



IMP-8008-4



IMP-6013-3



IMP-8000-1



IMP-6809

| | |
|-------------------|--|
| Board Size | 300mm x 600mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.16m2 |
| Weight/ctn | Approximately 21.55kg |
| Wear layer | 0.55mm |
| Boards per carton | 12 boards per carton |
| Surface | Marble Surface |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5GI patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

www.impervia.co.uk



IMP-8008-4
Colour: Black Marble Stone



IMP-6013-3

Colour: Terrazzo Grey Stone



IMP-8000-1

Colour: Terrazzo Blue Stone

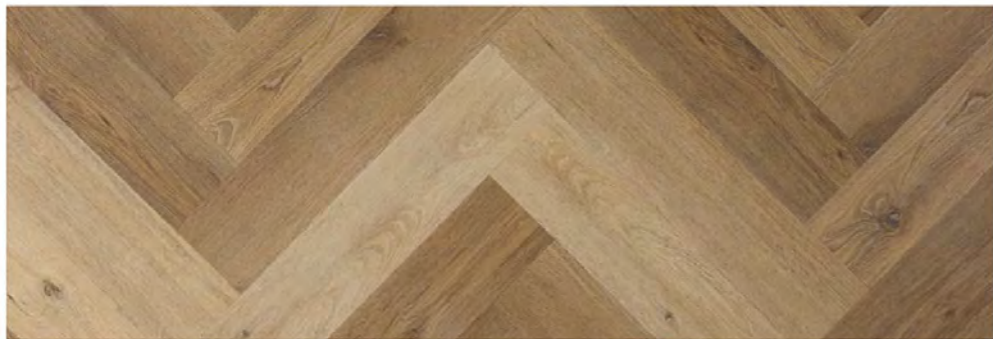


IMP-6809

Colour: White Marble Stone



IMPERVIA HERRINGBONE PARQUET FLOORING



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | EIR (registered emboss) texture feels as grain looks |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

www.impervia.co.uk



IMP-HB9005-1
Colour: NATURAL OAK



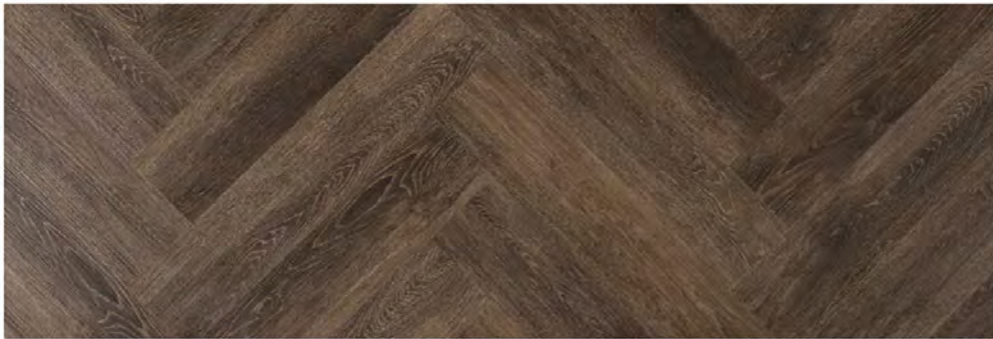
IMP-HB9005-6

Colour: FRENCH GREY



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | EIR (registered emboss) texture feels as grain looks |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

www.impervia.co.uk



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5GI patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

www.impervia.co.uk



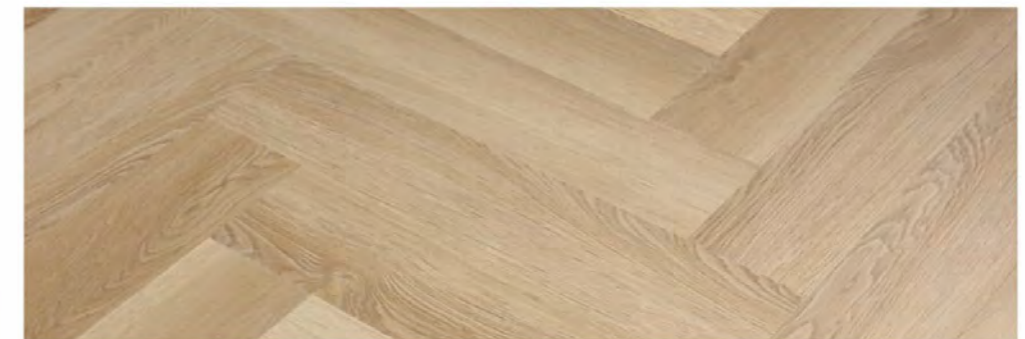
IMP-HB508-11

Colour: SMOKED OAK



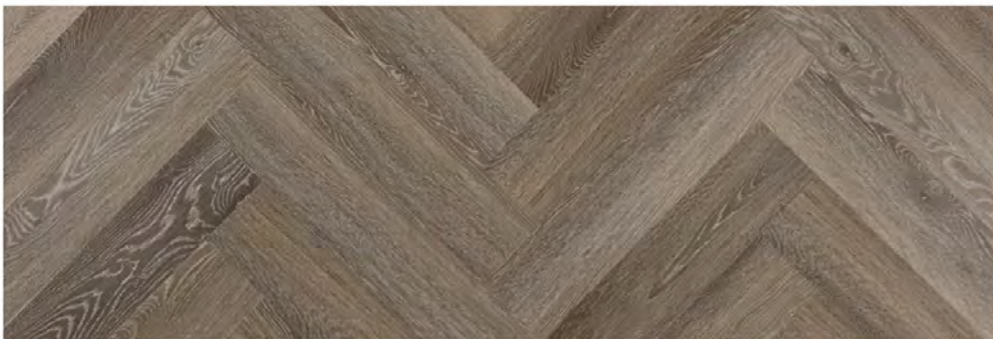
IMP-HB943XL-13

Colour: BARE TIMBER WHITE OAK



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5GI patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

www.impervia.co.uk



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

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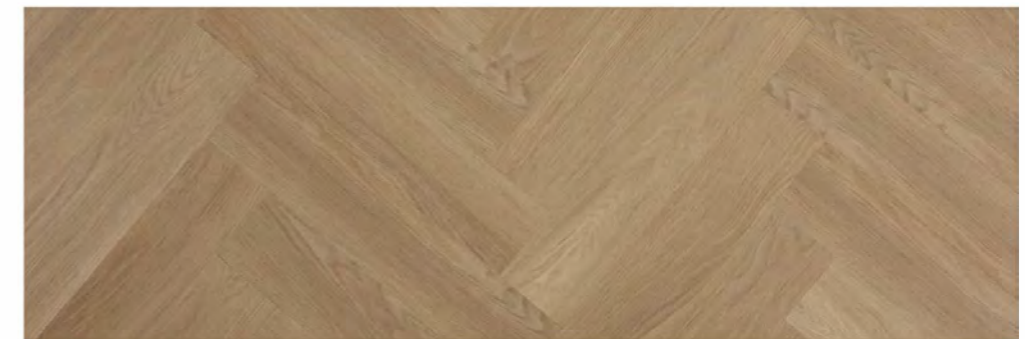
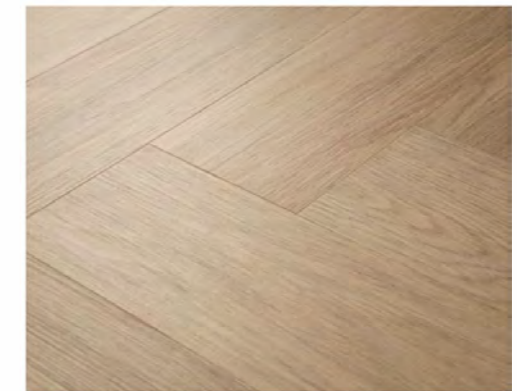
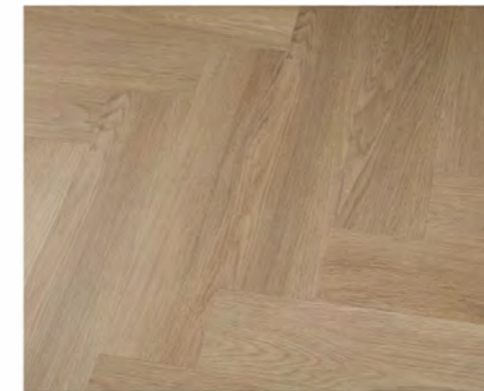
IMP-HB901XL-10

Colour: Cobble Grey Oak



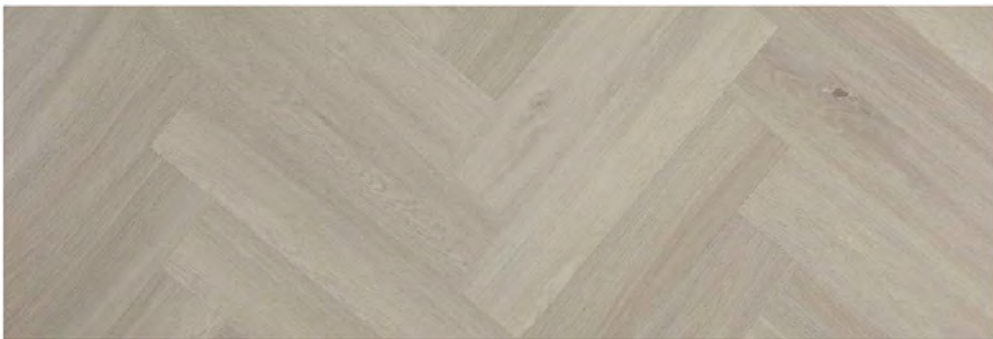
IMP-HB1150XL-02

Colour: Champagne Pale Oak



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

www.impervia.co.uk



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | Natural Embossed |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

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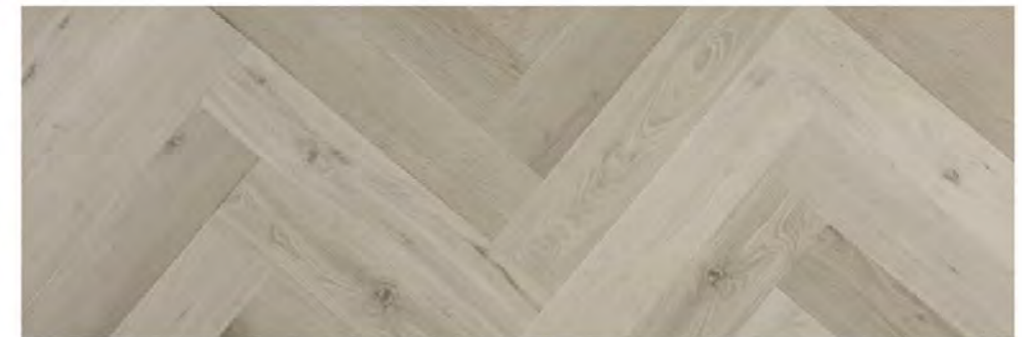
IMP-HBLS52456

Colour: Scandinavian Oak



IMP-HB9005-5

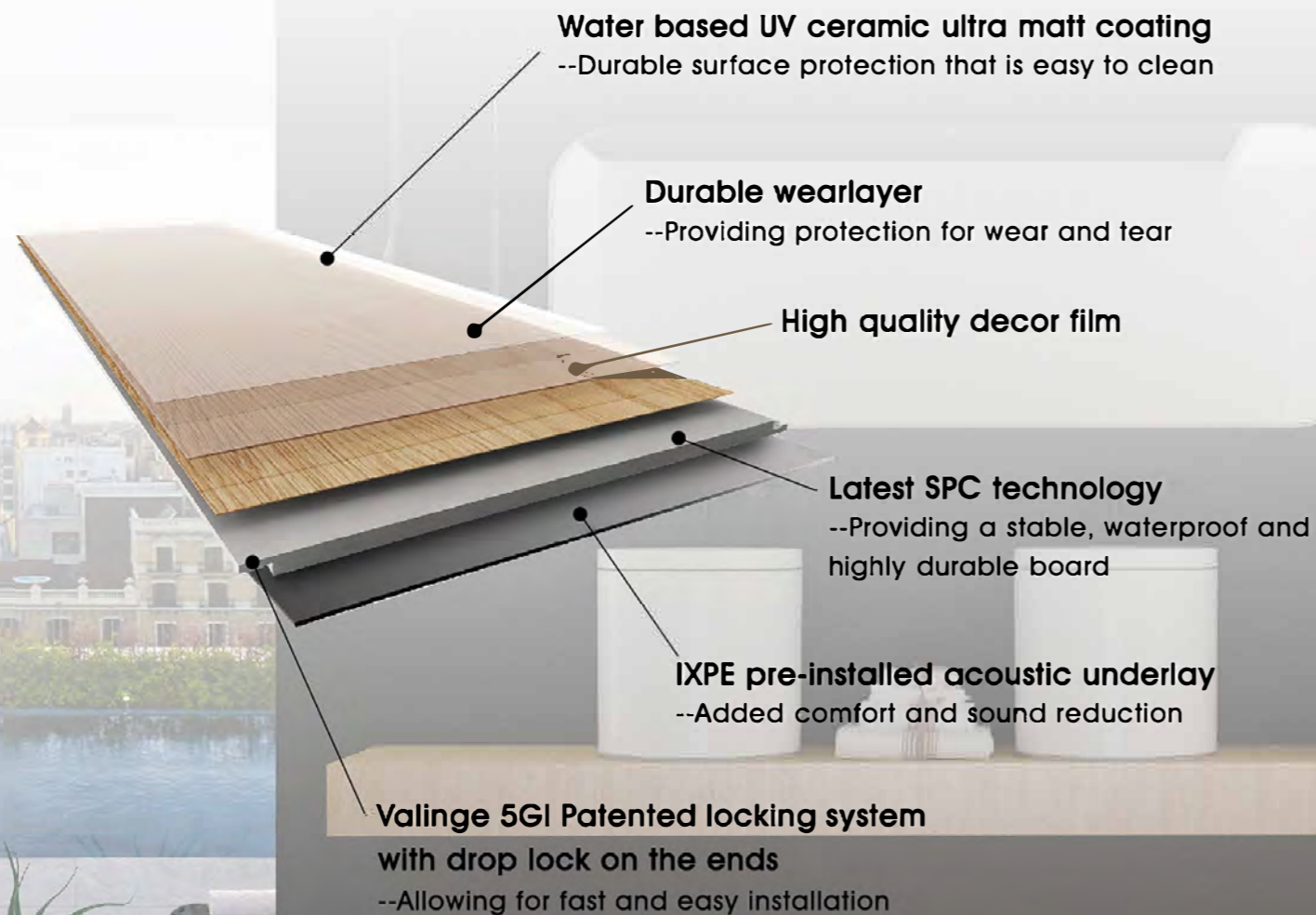
Colour: White Washed Oak



| | |
|-------------------|--|
| Board Size | 128mm x 615mm |
| Thickness | 6.5mm (incl 1.5mm IXPE) |
| M2 per carton | 2.0467m2 |
| Weight/ctn | Approximately 20.5kg |
| Wear layer | 0.55mm |
| Boards per carton | 26 boards per carton 13 left & 13 right hand |
| Surface | EIR (registered emboss) texture feels as grain looks |
| Surface finish | Water based UV ceramic Ultra matt coating |
| Locking System | Valinge 5Gi patented click, with drop lock on the ends |
| Warranty | 30 year residential, 10 year light commercial |
| Edges | Micro-bevel on all 4 sides |
| Adhesive | None required-floating floor installation only |

www.impervia.co.uk

Board Structure



| | | |
|-------------------------------|---|---|
| Dry Slip | | 69 in the dry very low risk |
| Wet Slip | Satra PTV test results | |
| VOC Emissions | ASTM D5116:2017 – Total Volatile Organic Compound Emission Rate | 0.012mg/m ² /hr (max limit allowed <0.500mg/m ² /hr) |
| | ASTM D5116:2017 – Formaldehyde Emission Rate | 0.041mg/m ² /hr (max limit allowed <0.100mg/m ² /hr) |
| Fire test | AS/ISO 9239-1:2003 | 10.9 kW/m ² /hr (Critical Heat Flux / Critical Radiant Flux) |
| Installation type | | Floating floor only |
| Floor Impact Sound Insulation | Sound SRL Test Report No: 24460-SRL-RP-XT-002- P1 reduction 21 DB | Measurement of The Improvement of Impact Sound Insulation by a Floor Covering on a Reference floor in Accordance With BS EN ISO 10140-3: 2010 & BS EN ISO 10140-1: 2010 (Appendix H) - Category II & III (Large Samples) – TP32 (Appendix H) - Category II & III (Large Samples) – TP32 |
| | Sound Reduction 21 DB | |
| Underfloor heating | | Up to 35°C. |
| Adhesive | | None required – floating floor installation only |
| Dimensional Stability | ISO 23999:2018 | Grain direction mean 0.15%. Across grain direction mean 0.05% (allowable tolerances ≤0.40%). Curling mean 0.5mm (Allowable tolerances ≤8.0mm). |

Installation must be in strict accordance with the current written "Floating Floor Installation & Maintenance Guidelines". To download these latest installation guidelines and test certificates please visit www.impervia.co.uk

The table below explains the benefits of using Impervia against traditional laminate flooring, vinyl and luxury Vinyl flooring. More details of each are shown further on in this document.

Impervia® Flooring

Made from Stone composite and is VOC free with no formaldehyde.
 Not affected by environmental conditions. Can withstand temperatures from 60 degrees C to minus 34 degrees C.
 Easy to install with the latest push fit system.
No adhesives or underlay needed. Economical to fit.
 You can walk on Impervia as soon as it is laid.
 Main core is a stone composite so it is:
 Waterproof and Fireproof.
 Sustainable, wide, long, rigid plank with less of a repeat pattern.
 IXPE backing reduces impact and sound by 75%, feels more like real wood to walk on.

Luxury Vinyl and Vinyl

Made from PVC which is plastic and from fossil fuels - can be detrimental to health.
 Can be affected by environmental conditions. The higher the temperature the more emissions.
 Normally needs impact adhesive.
 Need 24 hours before you can walk on it.
 Not sustainable.
 Repeat pattern can be more obvious. **More expensive to fit than impervia.**

Laminate Flooring

aminate Flooring
 Made of wood composites like HDF fibre board.
 Affected by environmental conditions.
 Uses click system but some manufacturers insist on adhesive.
It is not waterproof.
 Partly sustainable depending on raw material used.
 Normally shorter narrow boards where the repeat pattern is obvious.
 Impact sound due to HDF or MDF core sounds "clicky".
 Can be more expensive to fit than Impervia if it does not have an acoustic backing.

Impervia® Flooring

Impervia® flooring is a new luxury flooring product that doesn't use traditional vinyl. The construction and materials used are totally different to luxury vinyl and vinyl floors. There are no environmentally damaging plastics in the construction and the centre core is made up of fully recyclable material.

IXPE foam: short for radiation cross-linked polyethylene foam material. IXPE foam is made of high-energy electron-induced polyethylene cross-linking. It is safe and odourless, easy for machining and casting, and can be mixed with many other materials. It has a wide developing area as a new environmentally-safe material.

The Impervia® floor boards are 228mm wide and 1524mm long making it super easy to lay, creating a more natural appearance. The complexity of repeat patterns is minimised compared to vinyl and Laminate flooring.

Impervia® Flooring – the commercial grade heavy duty, water and stain resistant rigid floorboard.

Featuring the renowned push-fit Valinge 5G I system, with a textured wood-effect surface, built in acoustic dampening IXPE backing. Suitable for use with under floor heating. Warm and soft to walk on, this luxury rigid flooring will enhance interior décor. The nearest product finish to real wood without the worry of humidity or water damage during use. If you are considering Amtico or Karndean make sure you ask for an Impervia® sample too!

Benefits:

1. European Oak brushed and textured finish.
2. Mineral based core made up of magnesium oxide (MGO core) reinforced with tough fibreglass for stability and durability means it is fireproof, as magnesium oxide is used in furnace linings and crucibles.
3. Waterproof. Dent Proof. Movement Resistant and Mould Proof.
4. Environmentally sustainable.
5. Waterproof IXPE backing, therefore no underlay required.

The Impervia® MGO core is made of 100% minerals common to the construction industry and is recognised as safe, stable and resistant to fire, water mould and denting. There is no need for transition gaps (expansion) for areas up to 30 metres x 30 meters.

Specific Benefits:

1. Water Resistant: the rigid core helps to prevent warping when exposed to moisture, this means you can install in virtually any conditions, especially bathrooms and basements.
2. Fire Resistance: the stone composite rigid core is fire resistant.
3. Durability: good at resisting damage from impacts like high heels and heavy objects.
4. Stability: the high density stone core makes this flooring more resistant to expanding and contracting than other floors:
5. Easy Installation: The Valinge 5Gi push fit system makes the Impervia floor a DIY solution, and with the IXPE backing it means you can install directly over most existing floors, such as old wood, stone and ceramic tiles etc., as long as it is stable and perfectly flat.
6. Price: Impervia® floor boards are less expensive than real wood and softer to walk on.

Impervia® flooring does not use PVC in its construction. Because of this we hold a Greenguard GOLD certification. Our floors are also sustainable with a high rated floor score and formaldehyde free.





Impervia Flooring
 Unit 1 Helena Court, Hampton Street,
 Tetbury, Gloucestershire GL8 8JN
 Tel: 01666 504015 Fax: 05603 146907 Mobile: 07831 680206

Email: sales@ryderinternational.com
 www.impervia.co.uk

The Durability of Impervia - Better than any Vinyl flooring.

Impervia Flooring: Durability Testing

Before bringing any new product to market, tests need to be carried out and boxes ticked for us to know that it is a reliable investment for the consumer. This was no different with Impervia.

Because of the inherent nature of Impervia as a product, it meant that we could experiment with this testing in radical and somewhat unorthodox ways.

The Impervia Natural Oak boards shown in the image below were used over the course of some 9 months to track how the product coped under extreme stress. While we do not recommend fitting Impervia outside, it was important to understand the limits to which this product could be pushed and to document the enduring effectiveness of the factory-applied waterproofing and UV sealants that protect Impervia from things such as dust and grit to harsh, direct sunlight.



The two boards - placed on a gravel driveway last July - were left exposed to the soaring temperatures of Summer 2019 which then quickly changed to a wet and harsh winter, with the boards at some points even being covered in snow.

This proves our statement that Impervia is waterproof and also the UV finish that protects against all the elements.

The following image shows a new Impervia board - taken from a new, unopened carton fresh from the factory - placed on top of the two boards that had been left outside.

What we found was that, unlike many vinyls and certainly unlike solid wood flooring, the Impervia boards remained unchanged in both colour and state. The tested boards had retained not just their structure - allowing them to fit seamlessly together - but also their appearance, with no change in colour, shade or pattern.



In addition to this, the original two boards fit together perfectly with the brand new board we were comparing them to. The image below shows the three boards fitted together, with the two boards used for testing to the middle and right hand side.

Looking more closely at these same three boards in the images below, we registered no change to the surface texture to either of the exposed boards when compared with the new sample on the left.

Passing such rigorous testing with flying colours, we are pleased to offer Impervia Flooring to the market as a flooring solution that will not be affected by sunlight, weather or moisture conditions that noticeably and permanently damage more traditional flooring options.





Impervia Flooring
 Unit 1 Helena Court, Hampton Street,
 Tetbury, Gloucestershire GL8 8JN
 Tel: 01666 504015 Fax: 05603 146907 Mobile: 07831 680206

Email: sales@ryderinternational.com
www.impervia.co.uk

The images below show how there has been no effect on the colour or state of the boards. They still fit together perfectly and look the same as a fresh new board straight out of the carton.

The left-hand board is the brand new one and the two to the right are the boards that have been left on the gravel drive for 9 months.



Another detailed image is shown below taken as a close up again the brand-new board is on the left-hand side.



This shows how Impervia is the perfect choice for any flooring solution and will not be affected by sunlight or weather or moisture conditions.



If you would like to order a sample and experiment with the durability of Impervia yourself, we have new colours and finishes arriving into our warehouse all the time. We would love to see how you interact with this impressive new flooring product.

Please call 01666 504015 to discuss your requirements. We can send out samples anytime and have new colours and new products arriving into our warehouse all the time.

