



**IMPERVIA  
FLOORING**

Provided that our Storage Maintenance and Fitting Instructions are followed at all times the Product has the following specifications

## IMERVIA LUXURY Flooring Product Specification & Technical Data Sheet

Product Code: IMP-6013-3

IMPERVIA® LUXURY RIGID MARBLE TILE



### Sustainability:

The composite core is mainly made up of crushed stone, and with 1.5mm IXEP backing. For our commercial grade the top layers are virgin material for durability. **Waterproof, Fireproof and Formaldehyde Free Flooring.**

With our forests ever decreasing and precious resources being used for an increasing market in wood flooring, we have an alternative that uses less of our natural forests.

Impervia Luxury Flooring is extruded from natural elements and stone. The decorative layer is made from high quality photographic paper and our acoustic backing is VOC free with no cryogenic emissions or formaldehyde.

The finish has a ceramic quality for high traffic areas.

The IPXE backing has an acoustic property of 21 db.

The total thickness is 6.5mm and it requires no adhesive or other accessories or material to fit.

## Product Details

Type:	<i>Impervia stone composite vinyl rigid tile</i>
Size:	<i>6.5mm thick (5mm plank + 1.5mm IXEP backing) x 300mm wide x 600mm long</i>
Finish:	<i>AC5 commercial grade surface guaranteed 15 years</i>
Process :	<i>Smooth Surface</i>
Profile:	<i>Valinge Click fit system</i>
Pattern:	<i>Marble</i>
Edge Profile:	<i>Square Edged</i>
Top Layer:	<i>0.5mm</i>
Construction:	<i>Composite stone centre, 1.5mm IXEP backing and 0.5mm EIR surface</i>
Grade:	<i>Natural looking to replicate a real marble floor.</i>
Packing:	<i>Cardboard cartons, shrink wrapped, 6 pieces per carton with 2.0848m<sup>2</sup></i>
Weight:	<i>Each carton will weigh approx. 20.8kgs</i>
Durability:	<i>Waterproof construction, stain resistant and hard wearing</i>
Underfloor Heating:	<i>This floor is suitable for underfloor heating</i>

## Features and Benefits of our SPC Luxury Vinyl Flooring:



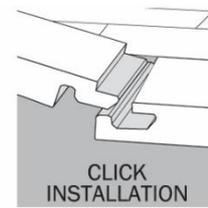
Protection for everyday use



Saves money & installation time



Including basements



Quick & easy to install



## Installation Methods:

Fully Bonded:	No
Secret nailed:	No
Floated:	Yes, direct to a substrate with a maximum of 3mm undulations over 3 metres
Over Underfloor Heating:	Yes compatible for UFH subject to following the correct installation requirements.

## Aesthetics and Vinyl Flooring Characteristics:

Vinyl flooring is made by taking high resolution images of real floors to replicate quality stone flooring.

## Board Performance

Thermal Conductivity:	EN ISO 10456 and EN ISO 12664 Result 0.15 W/(mk)
Moisture Content:	EN 13183 - 1 Requirement: 6% to 9% Average Results: <7%
Thermal Conductivity:	EN ISO 10456 / EN ISO 12664 Result 0.15 W / (mk)
Release of Formaldehyde:	Class E1   EN 717 – 1:2006 Result 0.014 mg / m <sup>3</sup> Requirement: Less than 3 ppm Result: 0.0053 ppm

<b>Slip Resistance:</b>	Tested to BS 7967-2: 2002 (Pendulum Test in PTV values) DRY (66) <b>LOW RISK</b> WET (29) <b>MODERATE RISK</b> There is no current requirement for slip resistance in residential developments.
<b>Fire Resistance:</b>	Tested to EN 13501:2007+A1:2009 Fire classification of construction products and building elements – Part 1 reaction to fire classification: Bfl -S1. With all substrates classified A1 and A2.
<b>Suitability of use:</b> <b>Effects from moisture:</b>	Suitable for use with under floor heating in commercial and residential applications. SPC vinyl flooring, unlike wood flooring is not affected by humidity or damp floors. However, it is always best to install in an environment that is conducive to human occupation.
<b>Transmission of Sound:</b>	Vinyl flooring will absorb some sound and with the IXPE backing it has some acoustic qualities.
<b>Thermal properties:</b>	Vinyl flooring works well with underfloor heating and can be installed directly onto electric carbon film systems.
<b>Manufacturing:</b>	SPC Vinyl floors are manufactured using the Hot Press Method to create a natural looking surface and in accordance with accepted industry standards, which permit a tolerance not to exceed 5%. The variations may be of a manufacturing or natural type (this does not include colour variation).

**Samples:** Small samples will give a representative example of the colour of the finished floor. However, inherent characteristics of wood will make every individual piece of wood unique and one small sample WILL NOT be representative of the overall effect of a natural wood floor. Therefore, should it be necessary to gain a better understanding of how a larger area will look, purchasing cartons for a sample area should be considered, before making a final decision.

**Storage:** See our Storage Fitting and Maintenance Instructions part of our T&C's  
DO NOT take boards onto site until all WET trades have been completed.

**Fixing:** See our Storage Fitting and Maintenance Instructions part of our T&C's  
The SPC flooring we produce uses the latest Valinge push fit technology so it is very easy to install due to its stability in not being affected by moisture.

**NBS:**  
NBS specifications can be written by request once we have full details of the subfloor build up.

**Cleaning:** See our Storage Fitting and Maintenance Instructions part of our T&C's  
**(never use solvent cleaning solution)** Correct cleaning and maintenance is important. Contamination from paints, whether oil or acrylic based will prove to be difficult to remove without damaging the wood surface. If any paint finds its way onto the wood surface, then BEFORE it completely dries, gentle rubbing with a non-alcoholic wipe might soften and remove the paint - but once the paint has dried it will be almost impossible to remove.

**Health & Safety:**  
SPC Vinyl flooring is a man-made product and on its own offers no recognisable health and safety risks.  
When re-manufacturing any wood product please follow HSE advice.

**Company Approvals:**

The Solid Wood Flooring Company operate a stringent sustainable environmental policy, details of which can be seen on the web site. We are certified by all the relevant organisations and our certificate numbers can be seen below. In addition to this we also adhere to the TTF responsible purchasing policy at all times. Below are our credentials:

Members of The Timber Trade Federation

Operate and are audited to the TTF Responsible Purchasing Policy

FSC® - Solid Wood Flooring Trademark License Number: FSC® C007915

FSC® - Solid Wood Flooring Chain of Custody Number: NC-COC-005535 HA

PEFC™ - Solid Wood Flooring Trademark Licence Number: PEFC/16-37-1814

PEFC™ - Solid Wood Flooring Certificate Number: CATG-PEFC-400-AT

WWF® - The Solid Wood Flooring Company achieved the highest - 3 Trees - accreditation

**Never build onto a Vinyl floor:** SPC vinyl flooring doesn't provide a good foundation to build onto. Therefore, it is important to design any cabinets and internal furniture with their own structural base and not to be sat on the vinyl flooring, so that should any damage occur, the floor finish can be easily repaired or removed.

### Aesthetics and Characteristics:

Impervia Luxury Plank Flooring is made by taking high resolution images of real floors to replicate quality wood flooring.

Item	EN Norms	Result	ASTM Norms	Result
Size	EN 427	600 x 300 mm	ASTM F536	600.1 x 300.2 mm
Dimension Squareness and Straightness	EN 427	Squareness:0.09mm Straightness:0.07m m		
Chemical Resistance	EN 423	Pass	ASTM F925	Pass
Colour Fastness to Artificial light	EN 20105:B02 method A	Pass, >=Grade6	ASTM F1515	Pass
Wear Resistance	EN 660-1	Weargroup: T		
Scratch resistance	ISO 10582	3200g	ASTM F3261	Pass
Resistant to impact			ASTM F1265	Pass
Dimensional Stability	E434	Stability:Pass 0.1% Curling: 0.06mm	ASTM F1700	Pass,
Residual Indentation	EN 433	Pass, 0.06mm	ASTM F970	Pass
Acoustic	21dB Impact Sound Reduction in accordance to BS EN ISO 717-2:2013			
Slip Resistance	EN 13893	Class DS		
	Tested to BS 7967-2:2002+A1:2013 (Pendulum Test in PTV values using slider 96) Results: DRY (69) <b>LOW RISK</b>   WET (38) <b>LOW RISK</b>			
Behaviour to Fire	EN 13501-1	Bf1-S1	ASTM E648-06	Pass/Class 1
Smoke Density			ASTM E662	Pass, <=450

**Manufacturing:** Impervia floors are manufactured using the latest extrusion technology where the protective top layer, decorative layer and composite centre core are extruded as one fusing them together to create a natural looking surface and in accordance with accepted industry standards, which permit a tolerance not to exceed 5%. The variations may be of a manufacturing or natural type (this does not include colour variation). The surface is then finished on a UV line after been pressed to create the textured surface.

**Samples:** *Small samples will give a representative example of the colour of the finished floor. However, inherent characteristics of wood will make every individual piece of wood unique and one small sample WILL NOT be representative of the overall effect of a natural wood floor. Therefore, should it be necessary to gain a better understanding of how a larger area will look, purchasing cartons for a sample area should be considered, before making a final decision.*

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**Storage:** **See Impervia Storage Fitting and Maintenance Instructions part of our T&C's**  
*DO NOT take boards onto site until all WET trades have been completed.*

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**Fixing:** **See Impervia Storage Fitting and Maintenance Instructions part of our T&C's**  
*The composite flooring we produce uses the latest Valinge push fit technology so it is very easy to install due to its stability in not being affected by moisture.*

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**NBS:**  
*NBS specifications can be written by request once we have full details of the subfloor build up.*

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### **Health & Safety:**

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**Never build onto a stone composite floor:** *Impervia Luxury plank flooring doesn't provide a good foundation to build onto. Therefore, it is important to design any cabinets and internal furniture with their own structural base and not to be sat on the stone composite flooring, so that should any damage occur, the floor finish can be easily repaired or removed.*