



## LayRed 55 Impressive

The IVC Commercial collection LayRed 55 Impressive is a modular floorcovering in a floating installation, compliant with ISO 10582, designed and manufactured in Belgium.

LayRed 55 Impressive has a total thickness of 6 mm, including an integrated underlay of 1 mm. LayRed 55 Impressive is a patented, multi-layered, high-end engineered vinyl floor that combines strength, comfort, acoustics, design and performance. The product construction consists of multiple layers, laminated by high pressure. The product has a 0,55 mm thick calendared transparent wear layer and two layers of fibre glass resulting in excellent dimensional stability. The Twinguard® PUR surface treatment, gives a matt finish and protects the floor against stains and scratches.

This product is suited for commercial use with a level of use of 33 – 42 (ISO 10874).

The collection consists out of 24 designs. The following size is available: 20,9 x 149,4 cm. In production 2 m wide and 1,5 m circumference print cylinders are used, making sure there is a minimal repetition in planks. For this collection, embossed in register technology is used. For an even more authentic look, the product has four bevels.

LayRed 55 Impressive is a floating floor. It has a strong click system.

With its acoustic layer and integrated underlay, LayRed 55 Impressive reduces transmission (22 dB) and walking sound.

The backing of the product consists up to 30% recycled content and the entire product is 100% recyclable. The manufacturing of LayRed 55 Impressive makes use of renewable energy. Through Life Cycle Assessment (LCA) the Environmental Profile Declarations (EPD) for the entire life cycle of IVC Commercial floors are defined. An externally licensed assessment agency calculated the products' contributions to BREEAM, LEED, WELL, DGNB and Greenstar. The product contributes positively to environmentally accredited buildings and projects. The manufacture of floors releases low concentrations of VOCs (volatile organic compounds). Thanks to end-of-pipe technology and a vigilant testing and monitoring programme, the strictest European regulations and anti-pollution laws are met.

Thickness	EN-ISO 24346	6 mm
Thickness wear layer	EN-ISO 24340	0,55 mm
Residential use	EN-ISO 10874	23
Commercial use	EN-ISO 10874	33
Total weight	EN-ISO 23997	8987 g/m <sup>2</sup>
Squareness & straightness	EN-ISO 24342	≤ 0,20 mm / ≤ 0,30 mm
Dimensional stability	EN-ISO 23999	≤ 0,05%
Inflammability	EN 13501	Bfl-S1
Acoustic insulation Δ Lw	EN-ISO 717-2	22 dB
Slip resistance	EN 13893	R10
Slip resistance	DIN 51130	DS



COMMERCIAL

Residual indentation	EN-ISO 24343-1	Norm: $\leq 0,10$ mm
Castor chair resistance	EN-ISO 4918	No damage to wear layer, no delamination
Thermal resistance R	EN 12664	0,016 m <sup>2</sup> .K/W
Stain resistance	EN-ISO 26987	Very good
Scratch resistance	EN-ISO 660-2	Class T
Light fastness	EN-ISO 105-B02	$\geq 6$
Underfloor heating	EN 12524	Suitable, max 27 °C

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