

FLINT HI-FLOOR AC6

01/06/2016/Rev.3

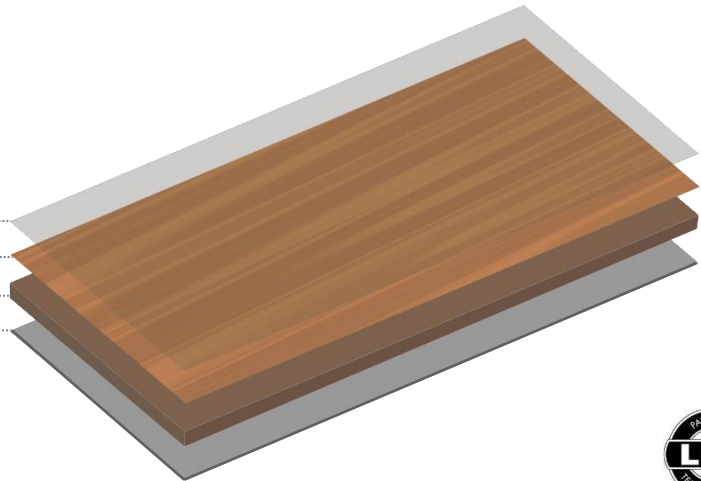
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FLINT HI-FLOOR is a decorative flooring, made from cellulose fibers impregnated with special thermosetting resins and subjected to high pressure and temperature in a single process. This process yields a synthetic block without a wood base, thus, providing high dimensional stability, impact, pressure and wear resistance, as well as high resistance to water (100% Waterproof) and fire.

The finished material is a compact HPB (high pressure block), suitable for flooring as planks that allow easy installation and optimal maintenance

Compact synthetic HPB flooring

- Protective overlay
- Decorative paper
- Central core
- Damp-proof barrier


General product data

Product structure: Anti-wear protective overlay (AC6)
 Synthetic resin-impregnated decorative paper
 Central core comprised of layers of synthetic resin-impregnated paper
 Damp-proof aluminum barrier



Thickness: 5,4 mm ± 0,2

Plank (length x width): 1245 mm x 200 mm (± 1mm)

Flatness (max. CD): 21 days at 85% HR and 35 °C + 0'75 mm/200 mm
 21 days at 30% HR and 15 °C - 0'50 mm/200 mm

Flexural strength (MD/CD): EN-438 150 MPa/120MPa
















Density: EN-438 1'43 g/cm³

Characteristics	Regulations	Properties	Values	
Wear resistance (Taber test)	EN-13329	Initial point (IP)	>8.500 Cycles (AC6)	
Wear class	EN-13329	Class	34 (commercial areas of very heavy traffic)	

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Characteristics	Regulations	Properties	Values	
Water resistance	EN-13553	Water penetration	Waterproof	
Swelling in thickness	EN-13329	Thickness increase	<0,3%	
Resistance to fire	UNE-EN 13501-1:2007 + A1:2010	Class	Bfl-s1	
Surface heat resistance at 180°C	EN-438	Appearance	Grade 5 (no visible change)	
Resistance to steam	EN-438	Appearance	Grade 5 (no visible change)	
Resistance to cigarette ash burns	EN-438	Appearance	Grade 5 (no visible change)	
Stain resistance	EN-438	Appearance	Grade 5 (no visible change)	
Formaldehyde emissions	DIN 55666	Balance level	<0,01 ppm	
Content of pentachlorophenol	CEN/TR 14283:2003	Detection limit	<0,01 ppm	
Toxicity gases and index of smoke	NFF 16-101	Class	F1	
Resistance to light (xenotest)	ISO 4892 UNE 53235	Tone change	>6	
Impact resistance	EN-13329	Spring strength	>50 N (IC4)	
Behavior on simulation of shifting furniture foot	EN-424	Appearance	No visible damage	
Castor wheel resistance	EN-425	Appearance	No visible damage	
Slip resistance	UNE-ENV 12633 Anex A DIN S1130:2010	Class	Class 3 (Optional) Class 2 Class R10 (Optional) Class R9	
Body generated electrostatic voltage (with standard footwear)	EN-1815	-	< 2'04 Kv.	