

Technical Specification

Inovar AC4/W32 SQUARE EDGE & V4 Flooring System



Top Surface	Melamine Impregnated Decorative Film. Protected by Anti Abrasive Overlay.
Core Material	Water resistant H.D.F.(High Density Fibre Board). Average density $\geq 880/890 \text{ kg/m}^3$. High-density fibreboard has high wax content = good water resistance quality/E1. Tongue and groove is impregnated with wax treatment to increase water/moisture resistance.
Bottom Surface	Balancing Film.
Thickness	8mm.
Length	1216mm.
Width	196mm.
Fit for use Grading	AC4/W32 General Commercial/Heavy Domestic
Installation method	Interlocking Glueless Installation System
Warranty	25 Years Heavy Domestic 5 years Moderate/General commercial use.

Technical Data

TEST	STANDARD	CHARACTERISTICS/ RESULTS
Behavior to impact load.	EN 13329	IC 2 - Height of fall 1700 MM is the maximum height without damage (1750 MM Height)
Behavior to abrasion	EN 13329	IP 4000 Revolutions
Behavior to scratching	ISO 1518	> 25N
Insensitivity of wear layer to stains	EN 13329	Rating 5 (no effect).
Porosity	Graphite test 1	Grade 1 (Pore-free).
Fade resistance	EN 13329	Level 6 - Blue wool standard (No discolouration)
Cigarette test	EN 13329	Degree 5 (No visible change)
Formaldehyde emission	E.T.B. Regulation	Measured in permissible P.P.M. emission. Approved and test at quality E 1.
Waste disposal	N/A	Residual materials disposable with domestic waste. No toxic fumes released during thermal disposal.
Fire classification	DIN 4102	Flame-retardant - B1.
Ignibility	DIN 51960	Does not ignite easily.
Smoke development	0 – Norm B3800/1	Class Q1 – Low smoke development (Austrian institute for floor covering).
Indentation test	DIN 51955	Residual indentation 0.0 mm (I.B.A – Koblenz).
Roller castor chair resistance	EN 13329	No visible damage when using soft wheel castors According to DIN 68131 Type W (I.B.A. Koblenz)
Thermal resistance	DIN 52612- Part 1	0.071 Square metre K/W (Fraunhofer- Institute for building physics). <i>Note: System Loosely Laid With Ribbed Board and P.E. Sheet.</i>
Susceptibility to cracking	EN 438-2.26	No cracks observable. Specimen is subjected to large temperature change
Simulated pushing of furniture leg.	EN 13329	No visible damage.
Thickness swelling test	EN 13329	< 10% swelling.
Static locking strength (Joint strength)	ISO 24334	>650 Kg/LM