






Technical Data Sheet Hoomline Fusion

PHYSICAL PROPERTIES & PACKAGING (FLOATING MULTILAYER MODULAR FLOORING – 7,5MM / 0,55MM)















Collection	Superior (In-Register Emboss)
Construction Extruded Vinyl Core Top Layer Pre-Attached Underlayment	4.0 mm ISOCORE Technology® 2.0 mm Luxury Vinyl Tile (LVT) with Ultra-Fresh 1.5 mm IXPE
Use	Commercial & Residential
Size	220 mm X 1210 mm
Wear Layer	0.55 mm
Edge Detail	Micro-Bevel Edge
Finish	Urethane with Enhanced Ceramic Bead (ECB) & Ultra-Fresh
Thickness	7.5 mm
Mass per Unit Area	7.88 kg/m ²
Pieces/Carton	7
Coverage/Piece	0.26m ²
Coverage/Carton	1.86m ²
Coverage/Pallet	60 Cartons/Pallet (111.60m ²)
Coverage/Container	24 Pallets/Container (2678.4m ²)
Limited Warranty	10-Year Commercial 15-Year Residential

EUROPEAN / INTERNATIONAL STANDARDS – CE CERTIFICATION / TESTING

Description	Standard	Symbol	Requirements	Results
CE Certification	EN 14041		Refer to Standards Below	Passes Requirements
Reaction to Fire (and Smoke Production)	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2		Bfl-s1 Classification Critical Flux $\geq 8.0\text{kW/m}^2$ Flame Spread: $\leq 150\text{mm}$ within 20s Smoke value as % x min: ≤ 750	Passes Requirements
Content of PCP (pentachlorophenol)	EN 14041		$< 5\text{ppm}$	Passes Requirements
Formaldehyde Emission	N 717-1		Class E1: Release $\leq 0.124\text{mg/m}^3$	Passes Requirements
Slip Resistance (Dry)	EN 13893		Class DS: Coefficient of Friction ≤ 0.30	Surpasses Requirements

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EUROPEAN / INTERNATIONAL STANDARDS – MANUFACTURING & USAGE (EN16511)

Description	Standard	Symbol	Requirements	Results
Classification (Level of Use)	EN 16511 EN ISO 10874		Commercial - Heavy (Class 33) Refer to Standards Below	Passes Requirements (Refer to Results Below)
Wear Resistance IP, Method A	EN 13329, Annex E		≥2,000 cycles	Surpasses Requirements
Impact Resistance (Big Ball)	EN 13329+A1 Annex F		≥1600mm	Surpasses Requirements
Micro-Scratch Resistance [Class]	EN 16094 Method B	N/A	≤MSR-B2	Passes Requirements (MSR-B2)
Castor Chair Resistance	EN 425		After 25,000 cycles: No disturbance to the surface: No delamination, cracks or disruptions	Passes Requirements
Effect of Furniture leg	EN 424		No visible damage	Passes Requirements
Residual Indentation	EN ISO 24343- 1		≤0.2mm	Surpasses Requirements
Resistance to Staining [Grade, per Group]	EN 438-2 (Group 1 – Only 10 min.)		Group 1 and 2: Grade 5 Group 3: Grade 4	Passes Requirements
Locking Strength	ISO 24337		Long Side ≥ 1.0kN/m Short Side ≥ 1.5kN/m	Surpasses Requirements
Dimensional Stability Due to Variation of Temperature	EN ISO 23999		≤0.25%	Surpasses Requirements
Thickness (t)	ISO 24337		$\Delta t_{avg} \leq 0.50\text{mm}$ (versus nominal) $t_{max} - t_{min} \leq 0.50\text{mm}$	Passes Requirements
Length (l)	ISO 24337		$l > 1500\text{mm}: \Delta l \leq$ 0.3mm/m (Versus Nominal)	Passes Requirements
Width (w)	ISO 24337		$\Delta W_{avg} \leq 0.10\text{mm}$ (Versus Nominal) $W_{max} - W_{min} \leq 0.20\text{mm}$	Passes Requirements
Squareness (q)	ISO 24337		$q_{max} \leq 0.20\text{mm}$	Passes Requirements
Straightness (s)	ISO 24337		$s_{max} \leq 0.30\text{mm/m}$	Passes Requirements




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Description	Standard	Symbol	Requirements	Results
Flatness (f)	ISO 24337	N/A	Maximum Single Values: $f_{w,concave} \leq 0.15\%$, $f_{w,convex} \leq 0.20\%$ $f_{l,concave} \leq 0.50\%$, $f_{l,convex} \leq 1.00\%$	Passes Requirements
Openings (o)	ISO 24337	N/A	Measured from the Surface Between Vertical, Contacting Edges: $o_{avg} \leq 0.15\text{mm}$, $o_{max} \leq 0.20\text{mm}$	Passes Requirements
Height Difference (h)	ISO 24337	N/A	$h_{avg} \leq 0.15\text{mm}$, $h_{max} \leq 0.20\text{mm}$	Passes Requirements

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EUROPEAN / INTERNATIONAL STANDARDS – AUXILIARY PERFORMANCE & SAFETY

Description	Standard	Symbol	Requirements	Results
Slip Resistance (wet)	DIN 51130	N/A	Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes / Surpasses Requirements
Slip Resistance (Australia/New Zealand)	AS 4586	N/A	Wet Pendulum (slide 96) P4: 45-54 SRV Oil-Wet Inclining Platform Grade R10: $\geq 10^\circ$ and $< 19^\circ$	Passes / Surpasses Requirements
Cooling Phase - Shrinkage (23°C to 5°C)	N/A	N/A	N/A	Dimensional Stability: $\leq 0.03\%$ Curling: $\leq 0.3\text{mm}$
Heating Phase - Expansion (23°C to 40°C)	N/A	N/A	N/A	Dimensional Stability: $\leq 0.03\%$ Curling: $\leq 0.3\text{mm}$
Thermal Resistance	EN 12664		N/A	0.08800m ² K/W at 10°C
Static Electrical Propensity	EN 1815, Method A		N/A	Average: -6.8kV
Impact Sound Insulation ¹	EN ISO 10140-3 ISO 717-2 EN ISO 140-8		N/A	$\Delta L_w = 18\text{dB}$
Product-Content Safety	REACH SVHC 169	N/A	Refer to Standard	Passes Requirements

Footnotes

1) **Impact Sound Insulation (EN ISO 10140-3, ISO 717-2, EN ISO 140-8):** ΔL_w = Weighted Reduction of Impact Sound Pressure Level

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