

Macabeo

Product Collection Data Sheet

Technical Specifications

Indoor Air Quality (IAQ) Criteria

- No orthophthalates are used in the making of this product.
- FloorScore® Certified

Dimensions (nominal)

- 20 mil (0.3mm) High Performance Urethane Wear Layer
- 5.5mm Overall Thickness including a 1mm Pad
- 7.69" Wide - 60" Long

Construction

- 100% Waterproof
- Top Layer - High Performance Ceramic Urethane Top Coat
- 2nd Layer - Wear Resistant PVC Wear Layer
- 3rd Layer - Print Film
- 4th Layer - Rigid Core Middle Layer
- 5th Layer - 1mm XPO Pad - High Density Polyethylene Foam
- I4F Locking System

Finish Coatings

- Painted Bevel side and end edges
- Wood grain surface texture
- Ceramic Urethane Anti-Scratch Top Coat

Dimensional Testing:

Parameter	Test Standard	Target / Tolerances	Result
Length	ISO 24342	Per specification ≤ 0.50mm	Pass
Width	ISO 24342	Per specification ≤ 0.15mm	Pass
Edge Straightness	ISO 24342	≤ 0.25mm	Pass
Squareness	ISO 24342	≤ 0.25mm	Pass
Overall Thickness	ISO 24346 ASTM F386	Per specification +/- 0.10mm	Pass
Emboss Depth	Internal	180 ums +	Pass
Wear Layer Thickness	ASTM F410	12 mil or 20 mil +/- 0.02mm release	Pass
Height Difference and Openings	ISO 10582	Height Difference: ≤ 0.15mm	Pass
		Openings: ≤ 0.20mm	Pass

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Mechanical / Physical Testing:

Parameter	Test Standard	Target / Tolerances	Result
Dimensional Stability and Curling	ISO 23999 ASTM F2199	Dimensional Stability: $\leq 0.15 $ % Curling: $\leq 1 $ mm	Pass
Residual Indentation	ISO 24343-1 ASTM F1914	≤ 0.1 mm < 8.0%	Pass
Castor Chair Test	EN 425	25,000 cycles for Commercial Products	Pass
Micro Scratch Resistance (A & B)	EN 16094	A2 + B2	Pass
Profile Locking Strength	ISO 24334	1.5 kN/m	Pass
Stain Test	ASTM F925 NALFA 3.4 ISO 26987	Internal	Pass
Taber Abrasion Test	EN13329-E ASTM D4060	4000+ cycles	Pass
Impact Resistance Test	ASTM F1265	Internal	Pass
Big Ball Impact Test	NALFA 3.5	≥ 600 mm	Pass
Gloss Level Measurement	ASTM D523	4.0, +/- 2	Pass
Coating Adhesion Cross Hatch	ASTM D3359 ISO 2409	$\geq 4B$	Pass
Lamination Strength	ISO 24345 ASTM D903	≥ 50 N/5cm	Pass
Weight Measurement (Density)	ISO 23997	+ 13% / - 10%	Pass
3 Point Bending Test for Flexural Strength	ASTM D790	>20 MPa	Pass
Static Load	ASTM D970	No Damage	Pass

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Colorfastness to Burnt Gas Fumes	AATCC 23	AATCC Gray Scale	Pass No Change
Critical Radiant Flux of Floor Covering Systems	ASTM E648	Class 1 rating per NFPA Life Safety Code 101	Pass
Smoke Density (Non-Flaming)	ASTM E662	NFPA 258 requirements of 450 Dmc or less	Pass
Smoke Density (Flaming)	ASTM E662	NFPA 258 requirements of 450 Dmc or less	Pass
Short Term Indentation and Residual Indentation	ASTM F1914 ASTM F3261	<8%, ≤ 0.1mm	Pass
Surface Flammability of Carpet and Rugs	ASTM D2859	Federal Flammability Standard CPSC FF 1-70	Pass
Light Stability of Resilient Flooring by Color Change	ASTM F1515	< 8.0 Delta E at exposures of 100, 200 and 300 hours	Pass
Heat Stability of Resilient Flooring by Color Change	ASTM F1514	< 8.0 Delta E	Pass
Coefficient of Friction – James Machine	ASTM D2047	Dry: >0.5 Wet: >0.5	Pass Pass