

MineCore Hybrid Flooring

Technical Data Sheet

Edition 06.2024



Test Item	Test Method	Result
Hardness Test By 3H Pencil (For Paint and Coating)	ASTM D3363-11 - Modified	Not Scratch
Residual Indentation	ASTM F1914 and ASTM F3261	Average: 0.02mm
		Max.: 0.03mm
Surface integrity	ASTM F1914 and ASTM F3261	No puncture through wear layer / décor into rigid core
Static load resistance	ASTM F970 and ASTM F3261	Average: 0.00mm
		Max.: 0.01mm
Dimensional Stability and Curl	ISO 23999 and ASTM F3261 Modified at 70°C for 6h	Long-side: -0.01%
		Short-side: -0.01%
		Curling: 0.020 in
Resistance to Chemicals	ASTM F925 and ASTM F3261	Using the following chemicals: · White vinegar (5 % acetic acid), · Rubbing alcohol (70 % isopropyl alcohol), · White mineral oil (medicinal grade), · Sodium hydroxide solution (5 % NaOH), · Hydrochloric acid solution (5 % Hcl), · Sulfuric acid solution (5 % H2SO4), · Household ammonia solution (5 % NH4OH), · Household bleach (5.25 % NaOCl), · Olive oil (light), · Kerosene (K1), · Unleaded gasoline (regular grade), · Phenol (5 % active phenol). No more than a slight change in surface dulling, surface attack, or staining when exposed to the chemicals listed above
Resistance to Heat	ASTM F1514 and ASTM F3261	After 7 days, ΔE*=1.40
Colorfastness to Light	ASTM F1515 and ASTM F3261	After 300 hours, ΔE*=7.60
Falling Ball Indentation	ASTM D2394	Falling height 12 inches: dent diameter 5.49mm
		Falling height 6 feet: No crack
Wear Resistance	ASTM D4060	After 100r, Weight loss: 9.0mg No worn out
Cleanability /Stain Resistance	NALFA LF01-2011- Section 3.4	Mustard, 10% Citric acid, Vegetable oil, Coffee, Tea, Catsup, Black permanent marker, Not effect
Swelling	ISO 24336 modified	After 24-hour immersion: 0.40%
Water Resistant Test	In house method	No liquid that penetrates through the seam After 24 hours
Scratch resistance	EN 16094 Procedure B	MSR-B2
Gloss test	ASTM D1455	7.8° low gloss
Sharp Points / Edges	16 CFR 1500.48/1500.49 (Scope widened)	No Sharp Points / Edges
Flammability Test	16 CFR 1500.44	No burning
Locking strength	ISO 24334	Long-side: 2.8kN/m
		Short-side: 2.3kN/m
Adhesion Test By 3M Transparent Tape 600	ASTM D3359-17	4B