

Manufacturer Technical Data for Bolon®

Product Description

General	Fully recyclable, naturally anti-microbial, woven textile flooring made from vinyl with 2% polyester and fiberglass mesh. Manufactured in an ISO 14001 facility.
Backing	Vinyl backing with polyester and fiberglass mesh

Tile sizes	19 11/16" x 19 11/16" (16 pieces, or 43.2 sq. ft, per case)
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Technical Specifications

	Test		Tiles: BKB, Eight.
Physical Properties			
Overall thickness	EN 428		Eight: 3.0mm; Others: 3.4mm
Weight	EN 430		0.86 lbs/sq ft

	Test	Requirement	Bolon
Safety			
Critical radiant flux	ASTM E648	Class 1: 0.45 w/cm ² or higher	Class 1
Smoke density	ASTM E662	Specific optical density (corrected): max. 450 in the flaming mode	Pass
Slip resistance James Method	ASTM D2047	Static coefficient of friction: OSHA min. 0.5; ADA (guideline) min. 0.6	0.63
Performance			
Sound absorption / Impact sound	ISO 140-8	In decibels (dB)	Eight is: 11 dB; All others: 15 dB
Antistatic behavior	EN 1815	Antistatic: less than 2 kilovolts (kV)	< 2 kV
Thermal resistance	ISO 8302	Max. 0.15 m ² K/W (K=Kelvin)	Eight is: 0.01 All others: 0.03
Dimensional stability	EN 434	Rolls: max. 0.4%; Tiles: max. 0.25%	All collections: <0.04%
Durability			
Wear group classification	EN 685	Class 33: commercial, heavy load Class 32: commercial, normal load	Eight is: 33 All others: 32
Fraying behavior	EN 1814	Best = No fraying	No fraying
Chair with castors	EN 985	Best = Continuous use	Continuous use
Color fastness (light)	ISO 105-B02	Min. 6	> 6 ¹
Residual indentation	EN 433	Max. 0.1 mm	0.1 mm
Static load limit	ASTM F970	Commercial use: min. 175 psi	500 psi
Chemical resistance	ASTM F925	Best = no change	No change
LEED			
MR Credit 4.2	LEED-NC v. 2.2	For 1 point: \$ value of <u>all</u> materials = min. average 10% recycled content	2% recycled (pre-consumer)
EQ Credit 4.1	LEED-NC v. 2.2	For 1 point: low-emitting adhesives & sealants per SCAQMD Rule 1168	Perma-Bond and Release-Bond are GreenLabelPlus
EQ Credit 4.3	LEED-NC v. 2.2	For 1 point: low-emitting flooring per GreenLabelPlus or FloorScore™	FloorScore™ in progress

¹This test applies to indoor collections only. For the Outdoor collection, the expected time before noticeable fading or color change for installations in Europe, Asia, and North and South America is at least 5 years.