

Mats Inc. Technical Data for Bolon Eze

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	Top-grade resilient sponge.
Available sizes	Designer anti-fatigue matting in custom sizes. Roll width 6'7".

Technical Specifications

	Test	INNOVATION, SPEKTRA, TWILIGHT ²	BKB, ETHNIC, LEX, NOW, OUTDOOR, RIPS, TWILIGHT ¹ , TWILIGHT ³
Physical Properties			
Overall thickness	EN 428	2.5 mm	2.8 mm
Weight	EN 430	0.66 lbs/sq ft	0.62 lbs/sq ft
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
Surface Flammability	ASTM D2859; CPSC FF 1-70	Uncharred area must be greater than 1 inch in at least 7 out of 8 specimens	Pass
Slip resistance	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, Innovation, Spektra, Twilight ² : 11 dB; Twilight ¹ , Twilight ³ : 17 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, Spektra, Twilight ² : 0.01; All others: 0.03
Dimensional stability	EN 434	Rolls: max. 0.4%; Tiles: max. 0.25%	< 0.25%
Durability			
Wear group classification	EN 685	Class 33: commercial, heavy load Class 32: commercial, normal load Class 31: commercial, moderate load	Eight, Spektra, Twilight ² : 33; Twilight ³ : 31; All others: 32
Hexapod Drum	ASTM D5252	1 = severe change; 5 = no change	Appearance: 5; Color: 5
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*
Residual indentation	EN 433	< 0.2 mm	< 0.2 mm
Static load limit	ASTM F970	Commercial use: min. 175 psi	500 psi
LEED			
MR Credit 4	LEED-NC v. 3	For 1 - 2 points: \$ value of <u>all</u> materials = min. average 10% recycled content	2% recycled (pre-consumer)
IEQ Credit 4.1	LEED-NC v. 3	For 1 point: low-emitting adhesive with a VOC of 70 g/L or less for multipurpose adhesive	Perma-Bond VOC: 3 g/L Release-Bond VOC: 0 g/L
IEQ Credit 4.3	LEED-NC v. 3	For 1 point: low-emitting flooring per GreenLabelPlus or FloorScore™	FloorScore™ in progress

*This 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.