

Mats Inc. Technical Data

for Debolon MP

Product Description

General	Heterogeneous resilient floor covering with glass fiber reinforcement. Traffic-rated for heavy commercial/light industrial use with a proprietary UV-cured PUR top surface.
Backing	Polyester fleece backing
Roll sizes	6'7" x 65'7"

Technical Specifications

	Test	Requirement	Debolon MP
Physical Properties			
Overall thickness	EN 428	In mm	3.3 mm
Wear layer thickness	EN 429	In mm and inches (")	0.8 mm (0.031")
Weight	EN 430	In lbs/sqft	0.58 lbs/sqft
Safety			
Critical radiant flux	ASTM E648	Class 1: 0.45 w/cm ² or higher	1.07
Slip resistance	ASTM C1028	Slip coefficient: OSHA min. 0.5; ADA (guideline) min. 0.6	wet 0.73 dry 0.66
Low VOC emissions		Low VOC emissions	Pass
Performance			
Sound absorption	ISO 140-8	In decibels (db)	approx. 18 db
Antistatic behavior	EN 1815	Antistatic: less than 2 kilovolts (kV)	< 2 kV
Electrical resistance	EN 1081	Static dissipative: min. 1 x 10 ⁶ ohms and max. 1 x 10 ⁹ ohms	< 1 x 10 ⁹ Ohm
Thermal resistance	EN 12667	Max. 0.15 m ² K/W (K=Kelvin)	0.0283
Dimensional stability	EN 434	Max. 0.1%	< 0.1%
Ball rebound	DIN 18032	Min. 90%	99.3%
Sliding properties	DIN 18032	Min. 0.4 m to max. 0.6 m	0.44 m
Durability			
Static load limit	ASTM F970	Commercial use: min. 175 psi	200 psi
Color fastness to light	EN 20105-B02	Min. 6	> 6
Color fastness to heat	ASTM F1514	Pass : Delta E < 8	< 8
Residual indentation	EN 433	< 0.2 mm	< 0.2 mm
Chemical resistance	ASTM F925	Best = no change	No change
Wear group classification	EN 685	34 = commercial, very heavy load 42 = industrial, normal load	34, 42
LEED			
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
IEQ Credit 4.3	LEED-NC v. 3	For 1 point: low-emitting flooring per GreenLabelPlus or FloorScore®	FloorScore® certified
MR Credit 4	LEED-NC v. 3	For 1 - 2 points: \$ value of <u>all</u> materials = min. average 10% recycled content	5% recycled (pre -consumer)
MR Credit 6	LEED-NC v. 3	For 1 point: \$ value of all materials = harvested within a 10 year cycle or shorter	10% of Debolon is made of a rapidly renewable plasticizer.