

Mats Inc. Technical Data for MultiLino™ ST Area Elastic Floor

Product Description

General	Homogeneous floor covering product made from natural, renewable materials
Subsystem Material	Steel plate with double sided tape, steel plate without tape, elastic mat
Roll sizes	6'7" x 88'6"

Technical Specifications

	Test	Requirement	MultiLino™ ST
Physical Properties			
Top layer thickness		In mm	4 mm
Overall thickness (total construction height)	EN 428	In mm	21 mm
Weight	EN 430	In lbs/sq ft	4.24 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
Sliding resistance	DIN V 18032-2	Min. 0.4 m; Max. 0.6 m	.44 m
Performance			
Shock absorption	DIN V 18032-2	Min. 53%	56%
Standard deformation	DIN V 18032-2	Min. 2.3 mm	3.8 mm
Ball rebound	DIN V 18032-2	Min. 90%	98%
Sound absorption / Impact sound	ISO 140-8	In decibels (dB)	27 dB
Electrostatic propensity (walking test)	EN 1815	Less than 2 kilovolts (kV)	0.8 kV
Dimensional stability	EN 434	Rolls: max. 0.4%; Tiles: max. 0.25%	< 0.06%
Durability			
Wear group classification	EN 685	Domestic, Commercial, Light Industrial	Class 23 Domestic Heavy, Class 34 Commercial Very Heavy, Class 43 Light Industrial Heavy
Castor chair test	EN 425	25,000 revolutions	No surface changes
Rolling load	DIN V 18032-2	Area elastic flooring min. 1,500 N	1,500 N
Color fastness (light)	ISO 105-B02	Min. 6	6
Chemical resistance	EN 423	0 - unchanged 1 - very slightly different 2 - slightly different 3 - different 4 - very different	hydrochloric acid diluted: 0; sulfuric acid diluted: 0; methanol: 0; gasoline: 0; petroleum mineral oil: 0; cooking oil: 0
Wear resistance	EN 660	In mm	0.33 mm
LEED			
MR Credit 4	LEED-NC v. 3	For 1 – 2 points: \$ value of <u>all</u> materials = min. average 25% recycled content	11.89% pre-consumer
MR Credit 6	LEED-NC v. 3	For 1 point: \$ value of <u>all</u> materials = min. average 5% rapidly renewable	22.64% of MultiLino™ ST is made from natural raw material.
IEQ Credit 4.3	LEED-NC v. 3	For 1 point: low-emitting flooring per GreenLabelPlus or FloorScore™	FloorScore™ certified