

Mats Inc. Technical Data

for Duo Tile

Product Description

General	Material is a non-vulcanized, non-laminated tile product with homogeneous color, composed of post-consumer recycled SBR combined with low odor EPDM rubber granules, bound with a proprietary slow-cured MDI water-based polymer.
Tile sizes	Square: 38" x 38"; Interlocking: 37" x 37"

Technical Specifications

	Test	Requirement	Duo Tile
Physical Properties			
Overall thickness	EN 428	In inches (in.)	Square: 4mm (5/32"), 5mm (7/32"), 6mm (1/4"), 7mm (9/32"), 8mm (5/16"), 9mm (11/32"), 10mm (3/8"), 12mm (1/2"); Interlocking: 8mm (5/16"), 9mm (11/32"), 10mm (3/8"), 12mm (1/2")
Weight	EN 430	In lbs/sq.ft.	varies by thickness
Slip resistance	ASTM D2047	Static coefficient of friction: OSHA min. 0.5; ADA (guideline) min. 0.6	wet 1.05 dry 1.04
Critical radiant flux	ASTM E648	Class II: 0.22 - 0.44 w/cm ² or higher	Class II
Performance			
Hardness	ASTM D2240	Shore A	64 – 65
Compression set	ASTM D395	Method B	96.3% recovered
Static load limit	ASTM F970	Residual compression	0.0 inc (0.0%)
Tensile strength	ASTM D412	in pounds per square inch (psi)	290.2 psi
Taber abrasion	ASTM C501	Weight loss	0.8%
Electrostatic propensity	AATCC 134	< 3.5 kV	1.6 kV
Material emissions	CA 01350	Pass = FloorScore™ certified	Pass
Flexibility	ASTM F137	6mm Mandrel	Pass
Short term indentation	ASTM F1914	< 8%	6%
Residual indentation	ASTM F1914	< 8%	1.7%
Electrical resistance	ASTM F150	Surface to ground	2.3 x 10 ¹⁰ ohms
Chemical resistance	ASTM F925	Best = no change	No change
Mold growth on surface	ASTM G21	Best = no growth	No growth
Phillips roll chair test		Best = no change	No change
Density	ASTM D3676	Pounds per cubic feet	66 lbs/ft ³
Impact sound class	ASTM E492	In decibels	4mm: IIC 57; 8mm: IIC 59
LEED			
ID Credit 1	LEED-NC v. 3	For 1 – 5 points: demonstrate quantitative performance improvements for environmental benefit	Interlocking Duo Tile requires no adhesive.
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	Urethane-Bond VOC: 45 g/L
IEQ Credit 4.3	LEED-NC v. 3	For 1 point: low-emitting flooring per GreenLabelPlus or FloorScore™	FloorScore™ certified

MR Credit 2	LEED-NC v.3	For 1 – 2 points: value (by weight or volume) of recycled or salvaged material = min. of 50% of all construction waste	Duo Tile is manufactured from material that can be diverted from disposal and reused.
MR Credit 4	LEED-NC v. 3	For 1 – 2 points: \$ value of <u>all</u> materials = min. average 10% and 20% recycled content	Varies by color. Please contact our product specialists for information.
MR Credit 5	LEED-NC v. 3	For 1 – 2 points: The material must be manufactured within 500 miles of the project location.	