

Mats Inc. Spectation™ Technical Data

Description

Dual Durometer Vulcanized Rubber Tile

Technical Specifications

ASTM Specification	ASTM F1344 Standard Specification for Rubber Floor Tile
ASTM F1344 Classification	Type IIB Grade 1
Tile Size	Square Cut - approx. 39.37" x 39.37" and Interlocking - approx. 38.58" x 38.58"
Surface	Hammered
Backing	Smooth
Weight	~ 3.065 lbs./sq.ft.
Overall Thickness	9mm '(+ 0.387 mm or - 0.127 mm per ASTM F386)

Safety	Test	Requirement	Results
Critical Radiant Flux	ASTM E648	> 0.45 w/cm ² or higher for Class 1	Class 1 - 0.91
Smoke Optical Density	ASTM E662	≤ 450	246 flaming / 280 non-flaming - Pass
Slip Resistance	ASTM D2047	none	0.75

Performance

Dimensional Stability	ASTM F2199	≤ 0.15%	Pass
Shore Hardness	ASTM D2240	Shore Hardness A ≥ 85	> 85
Chemical Resistance	ASTM F925	Best = No Change	No Change

Durability

Wear Layer Thickness	ASTM F410	≥ 0.04" (1 mm)	> 2 mm
Abrasion Resistance	ASTM D3389	H18,500gr,1000cycles, ≤ 1.0gr	Pass
Residual Indentation	ASTM F970	≤ 0.005 inch	Pass
Warranty		Commercial Use	5 years

Adhesive

Mapei G21 Two-Part Urethane	≤ 75% RH (ASTM F2170) ≤ 5 lbs. (ASTM F1869) No pH testing required	1/16 x 1/16 x 1/16 Square-notch trowel (FCA)	Coverage ~ 125-185 sq. ft.
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LEED v3

IEQ Credit 4	Recycled Content	For 1 point each: \$ value of all materials = min. average 10% and 20% recycled content	>25% recycled (pre-consumer)
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LEED v4

Material and Resources (MR)	Sourcing of Raw Materials	For 1 point: use products that meet at least one of the responsible extraction criteria for at least 25%, by cost, of the total value of permanently installed building products. (Option 2)	Recycled Content: >25% pre-consumer
Indoor Environmental Quality (IEQ)	Low Emitting Materials (Adhesives)	For up to 3 points: achieve threshold emission compliance for the required number of product categories or using the budget calculation method.	Mapei G21 is Green Label Plus Certified®