

# GENIEMAT<sup>®</sup> RST12

## SOUND CONTROL UNDERLAYMENT SHEET



### PRODUCT SPECIFICATIONS

PRODUCT NAME:	<b>GenieMat RST12 Sheet</b>
DESCRIPTION:	GenieMat RST is a flat, resilient, reduced sound transmission mat made from 94% recycled rubber content, used directly under hard surface floor finishes and over concrete and wood construction.
APPLICATION:	It is used when superior sound control is required in multi-family housing, high-rises, or commercial buildings and protects ceramic tile, porcelain and stone from substrate cracks.
FEATURES AND BENEFITS:	<ul style="list-style-type: none"><li>• Mold, bacteria, fungi, and water resistant</li><li>• Exceeds pass criteria for point load test for crack isolation membrane (ANSI 118.12)</li><li>• Meets requirements for VOC emissions (IAQ test, ASTM D5116)</li><li>• Qualifies for LEED<sup>®</sup> points</li><li>• Complete floor covering system warranty available</li><li>• Floorscore<sup>®</sup> certified</li></ul>
DIMENSION:	Sheet: 2.5' wide, 4' long (0.8 m wide, 1.2 m long)
THICKNESS:	15/32" (nom. 12 mm)
WEIGHT:	23 lb/Sheet (10.4 kg/Sheet)
AREA:	10 ft <sup>2</sup> (0.93 m <sup>2</sup> )
DENSITY:	Shall be > 62.43 lb/ft <sup>3</sup> (1000 kg/m <sup>3</sup> )
QUANTITY/PALLET:	85

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### TECHNICAL DATA

TYPE A HARDNESS (ASTM D2240):	50 (+/-5) Durometer
REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (E492/E2179)	<b>GenieMat RST12</b> tested over 8" concrete slab with 12" x 12" ceramic tile, no ceiling, IIC 55 dB
NATURAL FREQUENCY:	Shall not be greater than 61 Hz at 400 psf (0.02 MPa) load
HIIC: (WK59631)	Shall be $\geq 57$ when tested on an 8" concrete slab with tile
POINT LOAD TEST FOR CRACK ISOLATION MEMBRANES: (ANSI 118.12)	Exceeds pass criteria
PUNCTURE TESTING WHEN INSTALLED UNDER LUXURY VINYL TILE: (F924)	No change when compared to puncture failure limit of luxury vinyl tile tested without underlayment
ROBINSON WHEEL TILE TEST: (C627)	Light commercial with tile
RESISTANCE TO IMPACT WHEN INSTALLED UNDER LUXURY VINYL TILE: (F1265)	Luxury vinyl tile shows no signs of breaking or cracking and meets standard criteria
ROLLING LOAD INDENTATION WHEN INSTALLED UNDER LUXURY VINYL TILE: (F2753)	Luxury vinyl tile shows no signs of indentation and plank separation for 12,500 cycles
AVERAGE DYNAMIC STIFFNESS: (BS EN 29052)	381,953 lbf/ft <sup>3</sup> (60 MN/m <sup>3</sup> )
VOC EMISSIONS (CDPH/EHLB STANDARD METHOD v1.2-2017):	FloorScore certified
LOAD/DEFLECTION FOR TILE FLOORS:	Shall not have deflection greater than 2% of the thickness at loads up to 1,000 psf (~48 kPa)
THERMAL TRANSMITTANCE: (U-VALUE)	1.95 BTU/ hr·°F·ft <sup>2</sup> (11.01 W/m <sup>2</sup> ·K)

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**WARRANTY:**

Shall have a 25 year warranty as an approved component of a full waterproofing floor system

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**TEMPERATURE STABILITY:**

-40°F to +240°F (-40°C to +115°C)

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# AROUND THE WORLD.

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