

GENIEMAT[®] RST15

SOUND CONTROL UNDERLAYMENT SHEET



PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat RST15 Sheet
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">• Mold, bacteria, fungi, and water resistant• Exceeds pass criteria for point load test for crack isolation membrane (ANSI 118.12)• Meets requirements for VOC emissions (IAQ test, ASTM D5116)• Qualifies for LEED[®] points• Complete floor covering system warranty available• Floorscore[®] certified
DIMENSION:	Sheet: 2.5' wide, 4' long (0.8 m wide, 1.2 m long)
THICKNESS:	19/32" (nom. 15 mm)
WEIGHT:	30 lb/Sheet (13.6 kg/Sheet)
AREA:	10 ft ² (0.93 m ²)
DENSITY:	Shall be > 62.43 lb/ft ³ (1000 kg/m ³)
QUANTITY/PALLET:	50

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TECHNICAL DATA

TYPE A HARDNESS (ASTM D2240):	50 (+/-5) Durometer
REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (E492/E2179)	GenieMat RST15 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 ≥ 60 when tested on an 8" concrete slab with vinyl Shall be ≥ 59 when tested on an 8" concrete slab with engineered wood
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)	343,758 lbf/ft ³ (54 MN/m ³)
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)	1.56 BTU/ hr·°F·ft ² (8.8 W/m ² ·K)

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WARRANTY:

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

TEMPERATURE STABILITY:

-40°F to +240°F (-40°C to +115°C)





AROUND THE WORLD.

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