

GenieMat[®] RSTo2PS

PEEL & STICK SOUND CONTROL UNDERLAYMENT



PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat RSTo2PS
DESCRIPTION:	GenieMat RST is a flat, resilient, reduced sound transmission mat made from 94% recycled rubber content with a laminated pressure-sensitive adhesive, 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• Third-party verified EPDs available
DIMENSION:	Roll: 4' wide, 40' long (1.2 m wide, 12.2 m long)
THICKNESS:	3/32" (nom. 2 mm)
WEIGHT:	90 lb/Roll (40.8 kg/Roll)
AREA:	160 ft ² (14.86 m ²)
DENSITY:	Shall be > 62.43 lb/ft ³ (1000 kg/m ³)
QUANTITY/PALLET:	20

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TECHNICAL DATA

TYPE A HARDNESS (ASTM D2240):	50 (±5) Durometer
REDUCTION OF IMPACT SOUND PRESSURE LEVEL (ASTM E492/E2179):	GenieMat RSTo2 tested over 8" concrete slab with vinyl plank floor covering, no ceiling, IIC 52 and ΔIIC 18dB as per ASTM E2179
NATURAL FREQUENCY:	Shall not be greater than 92 Hz at 400 psf (0.02 MPa) load
HIIC (ASTM E3222):	Shall be ≥ 58 when tested on an 8" (203.2 mm) concrete slab with vinyl Shall be ≥ 55 when tested on an 8" (203.2 mm) concrete slab with engineered wood Shall be ≥ 45 when tested on a 6" (152.4 mm) 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 (ASTM F924):	No change when compared to puncture failure limit of luxury vinyl tile tested without underlayment
ROBINSON WHEEL TILE TEST (ASTM C627):	Extra heavy commercial with tile
RESISTANCE TO IMPACT WHEN INSTALLED UNDER LUXURY VINYL TILE (ASTM F1265):	Luxury vinyl tile shows no signs of breaking or cracking and meets standard criteria
ROLLING LOAD INDENTATION WHEN INSTALLED UNDER LUXURY VINYL TILE (ASTM F2753):	Luxury vinyl tile shows no signs of indentation and plank separation for 12,500 cycles
DYNAMIC STIFFNESS (ASTM D5992, D4473, D4065):	44819.1 lbf/in (7849 N/mm)
DYNAMIC-STATIC STIFFNESS RATIO (ASTM D5992, D4473, D4065):	292.91
VOC EMISSIONS (CDPH/EHLB STANDARD METHOD v1.2-2017):	FloorScore [®] certified

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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):

11.76 BTU/ hr·°F·ft² (66.37 W/m²·K)

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)





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