

GenieMat® RST12PRO

WATERPROOFING AND IMPACT SOUND CONTROL SYSTEM



PRODUCT SPECIFICATIONS

PRODUCT NAME:

GenieMat RST12PRO

DESCRIPTION:

GenieMat RST PRO is a flat, resilient underlayment made from up to 94% recycled rubber with a pre-adhered waterproofing membrane. It can be installed directly under thin-set floor finishes such as porcelain, ceramic, and stone tiles, or directly under gypsum concrete in concrete, steel, and wood-frame construction.

APPLICATION:

Used where superior sound control and waterproofing are required in multifamily housing, high-rises, or commercial buildings. The integrated waterproofing membrane provides an additional layer of protection, making it ideal for wet areas. It is engineered to protect ceramic tile, porcelain, and stone from substrate cracks.

FEATURES AND BENEFITS:

- Significantly reduces impact sound
- Meets and exceeds pass criteria for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation (ANSI 118.10/ISO 13007)
- Waterproof and mold, bacteria and fungi resistant
- Meets requirements for VOC emissions (IAQ test, ASTM D5116/ISO 16000-9)
- Meets and exceeds pass criteria for point load test for crack isolation membrane (ANSI 118.12)
- Complete floor covering system warranty available
- Qualifies for LEED® points

DIMENSION:

Roll: 4' wide, 12.5' long (nom. 1.22 m wide, nom. 3.81 m long)

THICKNESS:

15/32" (nom. 12 mm)

WEIGHT:

121 lb/Roll (54.9 kg/Roll)

AREA:

50 ft² (4.65 m²)

DENSITY:

Shall be > 62 lb/ft³ (1000 kg/m³)

QUANTITY/PALLET:

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TECHNICAL DATA

TYPE A HARDNESS (ASTM D2240):	50 (±5) Durometer
REDUCTION OF IMPACT SOUND PRESSURE LEVEL (ASTM E492/E2179, ISO 10140-3):	GenieMat RST12PRO tested over 8" (nom. 200 mm) concrete slab with 12" x 12" (nom. 300 mm x nom. 300 mm) ceramic tile, no ceiling, IIC 55 ($L_{n,w}$ 55) and Δ IIC 22dB (ΔL_w 18dB)
NATURAL FREQUENCY:	Shall not be greater than 61 Hz at 400 psf (0.02 MPa) load
HIIC (ASTM E3222):	Shall be $\geq$ 57 when tested on a 8" (nom. 200 mm) concrete slab with ceramic tile
POINT LOAD TEST FOR CRACK ISOLATION MEMBRANES (ANSI 118.12):	Exceeds pass criteria
WATERPROOFING (ANSI A118.10, ISO 13007):	Meets and exceeds ANSI A118.10/ISO 13007 Specification for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation per IPAL-0463-23
TENSILE STRENGTH (ASTM D882):	36 lb/in (4 N/m)
ELONGATION (ASTM D882):	390%
RESISTANCE TO PUNCTURE (ASTM E154):	71 lbf (316 N)
ROBINSON WHEEL TILE TEST (ASTM C627):	Light commercial with tile
DYNAMIC STIFFNESS (ASTM D5992, ISO 4664-1):	2738 lbf/in ³ (743 MN/m ³)
STATIC STIFFNESS (ASTM D5992, ISO 4664-1):	366 lbf/in ³ (99 MN/m ³)
DYNAMIC-STATIC STIFFNESS RATIO (ASTM D5992, ISO 4664-1):	7.48
LOAD/DEFLECTION FOR TILE FLOORS:	Shall not have deflection greater than 2% of the thickness at loads up to 1,000 psf (nom. 48 kPa)
THERMAL RESISTANCE (R-VALUE):	0.512 ft ² ·°F·hr/BTU (0.09 m ² ·K/W)

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THERMAL TRANSMITTANCE
(U-VALUE):

1.952 BTU/ hr·°F·ft² (11.083 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)

AROUND THE WORLD.

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