

GENIEMAT[®] RST12 PRO

WATERPROOFING AND IMPACT SOUND CONTROL SYSTEM



PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST12 Pro
DIMENSION:	Rollgood: 4' wide, 13' long (1.2 m wide, 3.96 m long)
THICKNESS:	1/2" (nom. 12 mm)
DENSITY:	Shall be > 1000 kg/m ³
ROLLS/PALLET:	16

TECHNICAL DATA

REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (ASTM E492/E2179)	GenieMat RST12 Pro tested over an 8" concrete slab with 12" x 12" ceramic tile, no ceiling, IIC 55
NATURAL FREQUENCY:	Shall not be greater than 61 Hz @ 400 psf loading
HIIC: (ASTM WK59631)	Shall be ≥ 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: (ASTM F924)	No change when compared to puncture failure limit of luxury vinyl tile tested without underlayment
ROBINSON WHEEL TILE TEST: (ASTM C627)	Light 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
WATER PROOFING (ANSI A118.10):	Meets and exceeds ANSI A118.10 Specification for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation per IPAL-0463-23

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It's not magic, it's engineering.®

AVERAGE DYNAMIC
STIFFNESS: (BS EN 29052) 381,953 lbf/ft³ (60 MN/m³)

TYPE A HARDNESS:
(ASTM D2240) 50 (± 5) durometer

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 1000 psf (~48 kPa)

THERMAL RESISTANCE:
(R-VALUE) 0.512 BTU/ hr · °F · ft² (0.090 W / m² · K)

THERMAL TRANSMITTANCE:
(U-VALUE) 1.95 BTU/ hr · °F · ft² (11.11 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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