

GENIEMAT[®] RST03 PRO

WATERPROOFING AND IMPACT SOUND CONTROL SYSTEM



It's not magic, it's engineering.®

PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST03 Pro
DIMENSION:	Rollgood: 4' wide, 50' long (1.2 m wide, 15.2 m long)
THICKNESS:	1/8" (nom. 3 mm)
DENSITY:	Shall be > 1000 kg/m ³
ROLLS/PALLET:	16

TECHNICAL DATA

REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (ASTM E492/E2179)	GenieMat RST03 Pro over 8" concrete slab with vinyl plank floor covering, no ceiling, shall have ≥ IIC 52 and ΔIIC 18 dB
NATURAL FREQUENCY:	Shall not be greater than 92 Hz @ 400 psf loading
HIIC: (ASTM WK59631)	Shall be ≥ 58 when tested on an 8" concrete slab with vinyl Shall be ≥ 55 when tested on an 8" concrete slab with engineered wood Shall be ≥ 45 when tested on an 6" 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
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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AVERAGE DYNAMIC
STIFFNESS: (BS EN 29052) Shall be $\leq 999,443 \text{ lbf/ft}^3$ (157 MN/m^3)

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

VOC EMISSIONS:
(CDPH/EHLB Standard
Method v1.2-2017) FloorScore compliant

LOAD/DEFLECTION FOR
TILE FLOORS: Shall not have deflection greater than 2% of the thickness at loads up to 1000 psf ($\sim 48 \text{ kPa}$)

THERMAL RESISTANCE:
(R-VALUE) $0.128 \text{ BTU/hr} \cdot ^\circ\text{F} \cdot \text{ft}^2$ ($0.023 \text{ W/m}^2 \cdot \text{K}$)

THERMAL TRANSMITTANCE:
(U-VALUE) $7.81 \text{ BTU/hr} \cdot ^\circ\text{F} \cdot \text{ft}^2$ ($43.48 \text{ W/m}^2 \cdot \text{K}$)

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

TEMPERATURE STABILITY: -40°F to $+240^\circ\text{F}$ (-40°C to $+115^\circ\text{C}$)





AROUND THE WORLD.

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