

GENIEMAT[®] RST05

SOUND CONTROL UNDERLAYMENT



PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST05
DIMENSION:	Rollgood: 4' wide, 30' long (1.2 m wide, 9.1 m long)
THICKNESS:	3/16" (nom. 5 mm)
DENSITY:	Shall be > 1000 kg/m ³
ROLLS/PALLET:	16

TECHNICAL DATA

REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (ASTM E492/E2179)	GenieMat RST05 tested over 6" concrete slab with 12" x 12" ceramic tile (shall have thin-set installed on both sides), no ceiling, IIC 50 and ΔIIC 20 dB
NATURAL FREQUENCY:	Shall not be greater than 70 Hz @ 400 psf loading
HIIC: (ASTM WK59631)	Shall be ≥ 62 when tested on an 8" concrete slab with vinyl Shall be ≥ 51 when tested on an 8" concrete slab with tile 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: (ASTM F924)	No change when compared to puncture failure limit of luxury vinyl tile tested without underlayment
ROBINSON WHEEL TILE TEST: (ASTM C627)	Moderate 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
AVERAGE DYNAMIC STIFFNESS: (BS EN 29052)	668,417 lbf/ft ³ (105 MN/m ³)
TYPE A HARDNESS: (ASTM D2240)	50 (± 5) durometer

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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)

0.213 BTU/ hr · °F · ft² (0.038 W / m² · K)

THERMAL TRANSMITTANCE:
(U-VALUE)

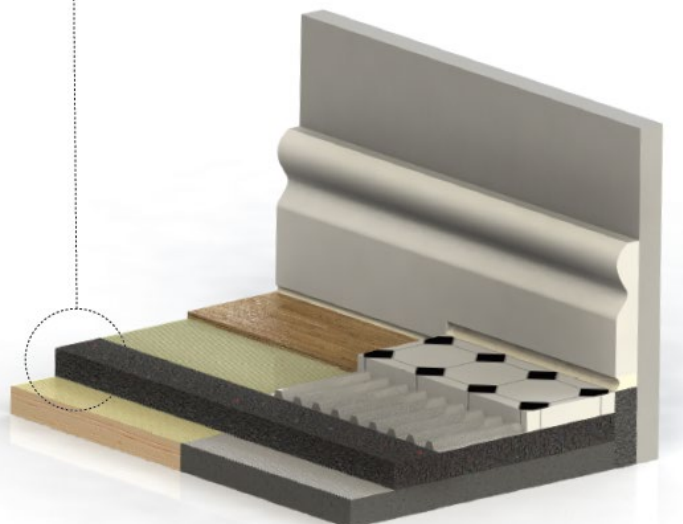
4.69 BTU/ hr · °F · ft² (26.32 W / m² · K)

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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