

GENIEMAT[®] RST02

SOUND CONTROL UNDERLAYMENT



It's not magic, it's engineering.®

PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST02
DIMENSIONS:	Rollgood: 4' wide, 75' long (1.2 m wide, 22.9 m long)
THICKNESS:	5/64" (nom. 2 mm)
DENSITY:	Shall be > 1000 kg/m ³
ROLLS/PALLET:	16

TECHNICAL DATA

REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (ASTM E492/E2179)	GenieMat RST02 tested over 8" concrete slab with vinyl plank floor covering, no ceiling, IIC 52 and ΔIIC 18 dB as per ASTM E2179
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
Robinson Wheel Tile Test: (ASTM C627)	Extra Heavy Commercial
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
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
AVERAGE DYNAMIC STIFFNESS: (BS EN 29052)	999,443 lbf/ft ³ (157 MN/m ³)
TYPE A HARDNESS: (ASTM D2240)	50 (± 5) durometer

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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

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)

0.085 BTU/ hr · °F · ft² (0.015 W / m² · K)

THERMAL TRANSMITTANCE:
(U-VALUE)

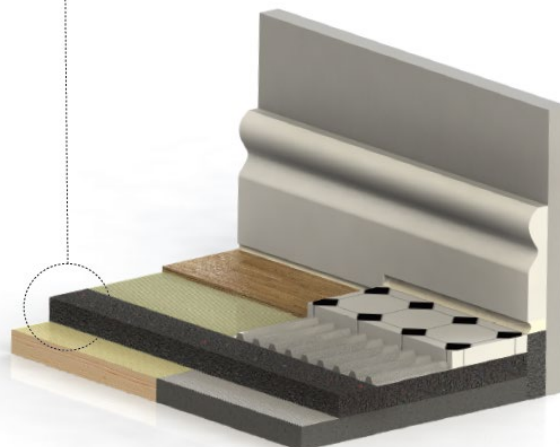
11.76 BTU/ hr · °F · ft² (66.67 W / m² · K)

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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