

GENIEMAT[®] RST05

ROLL-OUT SOUND CONTROL UNDERLAYMENT



PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat RST05
DIMENSION:	Roll: 1.2 m wide, 9.1 m long (4' wide, 30' long) Sheet: nom. 0.8 m wide, nom. 1.2 m long (2.5' wide, 4' long)
THICKNESS:	nom. 5 mm (3/16")
WEIGHT:	54.4 kg/Roll (120 lb/Roll) 4.4 kg/Sheet (9.7 lb/Sheet)
AREA:	Roll: 11.15m ² (120 ft ²) Sheet: 0.93 m ² (10 ft ²)
DENSITY:	Shall be > 1000 kg/m ³ (62.43 lb/ft ³)

TECHNICAL DATA

REDUCTION OF IMPACT SOUND PRESSURE LEVEL (ISO 10140):	$\Delta L_{n,w}$ performance of 23 dB under LVT $\Delta L_{n,w}$ performance of 19 dB under ceramic tile
NATURAL FREQUENCY:	Shall not be greater than 70 Hz @ 19.2 kN/m ² (400 psf) loading
BUILDING CODE:	Meets and improves on Approved Document E impact performance requirements by 8 dB when used under LVT or hardwood flooring. Meets and exceeds on BCA part F5 impact performance requirements
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
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

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TECHNICAL DATA

TEMPERATURE STABILITY: -40°F to +240°F (-40°C to +115°C)

THERMAL TRANSMITTANCE
(R-VALUE): 0.038 (m²K)/W

THERMAL TRANSMITTANCE
(U-VALUE): 26.47 W/m²·K (4.69 BTU/ hr·°F·ft²)

ROBINSON WHEEL TILE TEST
(ASTM C627): Moderate commercial with tile





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