

GENIEMAT[®] RST05

ROLL-OUT SOUND CONTROL UNDERLAYMENT



PRODUCT SPECIFICATIONS

PRODUCT NAME:	GenieMat RST05
DESCRIPTION:	GenieMat RST is a flat, resilient, reduced sound transmission mat made from 94% recycled rubber content, used directly under hard surface floor finishes and over concrete and wood construction.
APPLICATION:	It is used when superior sound control is required in multi-family housing, high-rises, or commercial buildings and protects ceramic tile, porcelain and stone from substrate cracks.
FEATURES AND BENEFITS:	<ul style="list-style-type: none">• Mold, bacteria, fungi, and water resistant• Exceeds pass criteria for point load test for crack isolation membrane (ANSI 118.12)• Meets requirements for VOC emissions (IAQ test, ASTM D5116)• Qualifies for LEED[®] points• Complete floor covering system warranty available• Floorscore[®] certified
DIMENSION:	Roll: 4' wide, 33' long (1.2 m wide, 10.1 m long)
THICKNESS:	3/16" (nom. 5 mm)
WEIGHT:	120 lb/Roll (54.4 kg/Roll)
AREA:	132 ft ² (12.26 m ²)
DENSITY:	Shall be > 62.43 lb/ft ³ (1000 kg/m ³)
QUANTITY/PALLET:	16

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TECHNICAL DATA

TYPE A HARDNESS (ASTM D2240):	50 (+/-5) Durometer
REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (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 as per ASTM E2179
NATURAL FREQUENCY:	Shall not be greater than 70 Hz at 400 psf (0.02 MPa) load
HIIC: (WK59631)	Shall be ≥ 62 when tested on an 8" concrete slab with vinyl Shall be ≥ 59 when tested on an 8" concrete slab with engineered wood Shall be ≥ 51 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: (F924)	No change when compared to puncture failure limit of luxury vinyl tile tested without underlayment
ROBINSON WHEEL TILE TEST: (C627)	Moderate commercial with tile
RESISTANCE TO IMPACT WHEN INSTALLED UNDER LUXURY VINYL TILE: (F1265)	Luxury vinyl tile shows no signs of breaking or cracking and meets standard criteria
ROLLING LOAD INDENTATION WHEN INSTALLED UNDER LUXURY VINYL TILE: (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)
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 1,000 psf (~48 kPa)

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

CONTACT US

PLITEQ NORTH AMERICA

131 Royal Group Crescent
Vaughan, ON
L4H 1X9 Canada

T. + 1 416 449 0049

info@pliteq.com
www.pliteq.com

PLITEQ UK

Irongate House
22-30 Dukes Place
London
EC3A 7LP

T. + 44 203 9846444

info@pliteq.co.uk
www.pliteq.co.uk

PLITEQ MIDDLE EAST

European Business Centre
Dubai Investment Park
PO Box 473 512
Dubai, UAE

T: +971 4 567 4944

info@pliteq.ae
www.pliteq.ae

PLITEQ ASIA PACIFIC

101 Cecil Street #19-13
Tong Eng Building Singapore
069533

T. +65 8452 6865

info@pliteq.sg
www.pliteq.sg

PLITEQ AUSTRALIA & NEW ZEALAND

72 York Street, South
Melbourne, VIC, 3205

T. + 61 3 9018 7696
T. + 61 476 757 736

info@pliteq.com.au
www.pliteq.com.au

