

GENIEMAT® RST05 PRO

WATERPROOFING AND IMPACT SOUND CONTROL SYSTEM



It's not magic, it's engineering.®

PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST05 Pro
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 Pro 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
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) 668,417 lbf/ft³ (105 MN/m³)

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

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.

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

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

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



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