

GenieMat® RSTo3PRO

WATERPROOFING AND IMPACT SOUND CONTROL SYSTEM



PRODUCT SPECIFICATIONS

PRODUCT NAME: **GenieMat RSTo3PRO**

DESCRIPTION: **GenieMat RST PRO** is a flat, resilient underlayment made from up to 94% recycled rubber with a pre-adhered waterproofing membrane. It can be installed directly under thin-set floor finishes such as porcelain, ceramic, and stone tiles, or directly under gypsum concrete in concrete, steel, and wood-frame construction.

APPLICATION: Used where superior sound control and waterproofing are required in multifamily housing, high-rises, or commercial buildings. The integrated waterproofing membrane provides an additional layer of protection, making it ideal for wet areas. It is engineered to protect ceramic tile, porcelain, and stone from substrate cracks.

FEATURES AND BENEFITS:

- Significantly reduces impact sound
- Meets and exceeds pass criteria for load bearing, bonded, waterproof membranes for thin-set ceramic tile and dimension stone installation (ANSI 118.10/ISO 13007)
- Waterproof and mold, bacteria and fungi resistant
- Meets requirements for VOC emissions (IAQ test, ASTM D5116/ISO 16000-9)
- Meets and exceeds pass criteria for point load test for crack isolation membrane (ANSI 118.12)
- Complete floor covering system warranty available
- Qualifies for LEED® points

DIMENSION: Roll: 4' wide, 50' long (nom. 1.22 m wide, nom. 15.24 m long)

THICKNESS: 1/8" (nom. 3 mm)

WEIGHT: 121 lb/Roll (54.9 kg/Roll)

AREA: 200 ft² (18.58 m²)

DENSITY: Shall be > 62 lb/ft³ (1000 kg/m³)

QUANTITY/PALLET: 16

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TECHNICAL DATA

TYPE A HARDNESS (ASTM D2240):	50 (±5) Durometer
LABORATORY IMPACT INSULATION CLASS (ASTM E492/E2179, ISO 10140-3):	Shall be IIC 60 ($L_{n,w}$ 50) when installed on a 18" (nom. 450 mm) Open Web Truss with 5/16" (8 mm) Ceramic Tile, GenieMat RSTo3PRO , GenieBoard 302 , GenieMat FF10NBN , 3/4" (19 mm) OSB, 3-1/2" (nom. 90 mm) Fiberglass Insulation, 1/2" (13 mm) RC Channel, and 5/8" (nom. 15 mm) Type C Gypsum Board.
NATURAL FREQUENCY:	Shall not be greater than 92 Hz at 400 psf (0.02 MPa) load
HIIC (ASTM E3222):	Shall be ≥ 45 when tested on a 6" (nom. 150 mm) concrete slab with ceramic tile
POINT LOAD TEST FOR CRACK ISOLATION MEMBRANES (ANSI 118.12):	Exceeds pass criteria
WATERPROOFING (ANSI A118.10, ISO 13007):	Meets and exceeds ANSI A118.10/ISO 13007 Specification for Load Bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation per IPAL-0463-23
TENSILE STRENGTH (ASTM D882):	36 lb/in (4 N/m)
ELONGATION (ASTM D882):	390%
RESISTANCE TO PUNCTURE (ASTM E154):	71 lbf (316 N)
ROBINSON WHEEL TILE TEST (ASTM C627):	Extra heavy commercial with tile
DYNAMIC STIFFNESS (ASTM D5992, ISO 4664-1):	7640 lbf/in ³ (2074 MN/m ³)
STATIC STIFFNESS (ASTM D5992, ISO 4664-1):	873 lbf/in ³ (237 MN/m ³)
DYNAMIC-STATIC STIFFNESS RATIO (ASTM D5992, ISO 4664-1):	8.76
LOAD/DEFLECTION FOR TILE FLOORS:	Shall not have deflection greater than 2% of the thickness at loads up to 1,000 psf (nom. 48 kPa)
THERMAL RESISTANCE (R-VALUE):	0.128 ft ² ·°F·hr/BTU (0.023 m ² ·K/W)

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THERMAL TRANSMITTANCE
(U-VALUE):

7.808 BTU/ hr·°F·ft² (44.333 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.

PLITEQ NORTH AMERICA

131 Royal Group Crescent
Vaughan, ON
L4H 1X9 Canada

4211, Yonge Street,
Suite 404, Toronto, ON M2P
2A9 Canada

2015 Main St,
Vancouver, BC
V5T 3C2 Canada

251 Little Falls Drive
Wilmington, DE
19808
United States of America
11701 N. 132nd Drive
Surprise, AZ
85379
United States of America

Calz. Gral. Mariano Escobedo
476-piso 12 Chapultepec
Morales, Anzures,
Miguel Hidalgo, 11590
Ciudad de México, CDMX
Mexico

T.+1 416 449 0049
T.+1 480 805 5560
T.+52 1 938 164 1551
info@pliteqacoustics.com
www.pliteqacoustics.com

PLITEQ UNITED KINGDOM

Office 205, Orega High
Holborn, 16 High Holborn,
London, WC1V 6BX
United Kingdom

T.+44 203 9846444
info@pliteqacoustics.com
www.pliteqacoustics.com/uk

PLITEQ MIDDLE EAST

European Business Centre
Dubai Investment Park
PO Box 473 512
United Arab Emirates

T. +971 4 567 4944
info@pliteqacoustics.com
www.pliteqacoustics.com/ae

PLITEQ ASIA PACIFIC

78 Shenton Way Tower 2,
6th Floor, Office Suite 25
079120, Singapore

T.+65 6813 2017
info@pliteqacoustics.com
www.pliteqacoustics.com/sg

PLITEQ AUSTRALIA

72 York Street, South
Melbourne, VIC, 3205
Australia

T.+61 3 9018 7696
info@pliteqacoustics.com
www.pliteqacoustics.com/au

