

# GENIEMAT<sup>®</sup> RST12 PRO

WATERPROOFING AND IMPACT SOUND CONTROL SYSTEM



It's not magic, it's engineering.<sup>®</sup>

## PRODUCT SPECIFICATION

|               |   |
|---------------|---|
| PRODUCT NAME: | <b>GenieMat RST12 Pro</b>                             |
| DIMENSION:    | Rollgood: 4' wide, 13' long (1.2 m wide, 3.96 m long) |
| THICKNESS:    | 1/2" (nom. 12 mm)                                     |
| DENSITY:      | Shall be > 1000 kg/m <sup>3</sup>                     |
| ROLLS/PALLET: | 16  |

## TECHNICAL DATA

|   |   |
|---|---|
| REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (ASTM E492/E2179)                   | <b>GenieMat RST12 Pro</b> tested over an 8" concrete slab with 12" x 12" ceramic tile, no ceiling, IIC 55   |
| NATURAL FREQUENCY:  | Shall not be greater than 61 Hz @ 400 psf loading   |
| HIIC: (ASTM WK59631)  | Shall be ≥ 57 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: (ASTM F924)          | No change when compared to puncture failure limit of luxury vinyl tile tested without underlayment  |
| ROBINSON WHEEL TILE TEST: (ASTM C627)   | Light 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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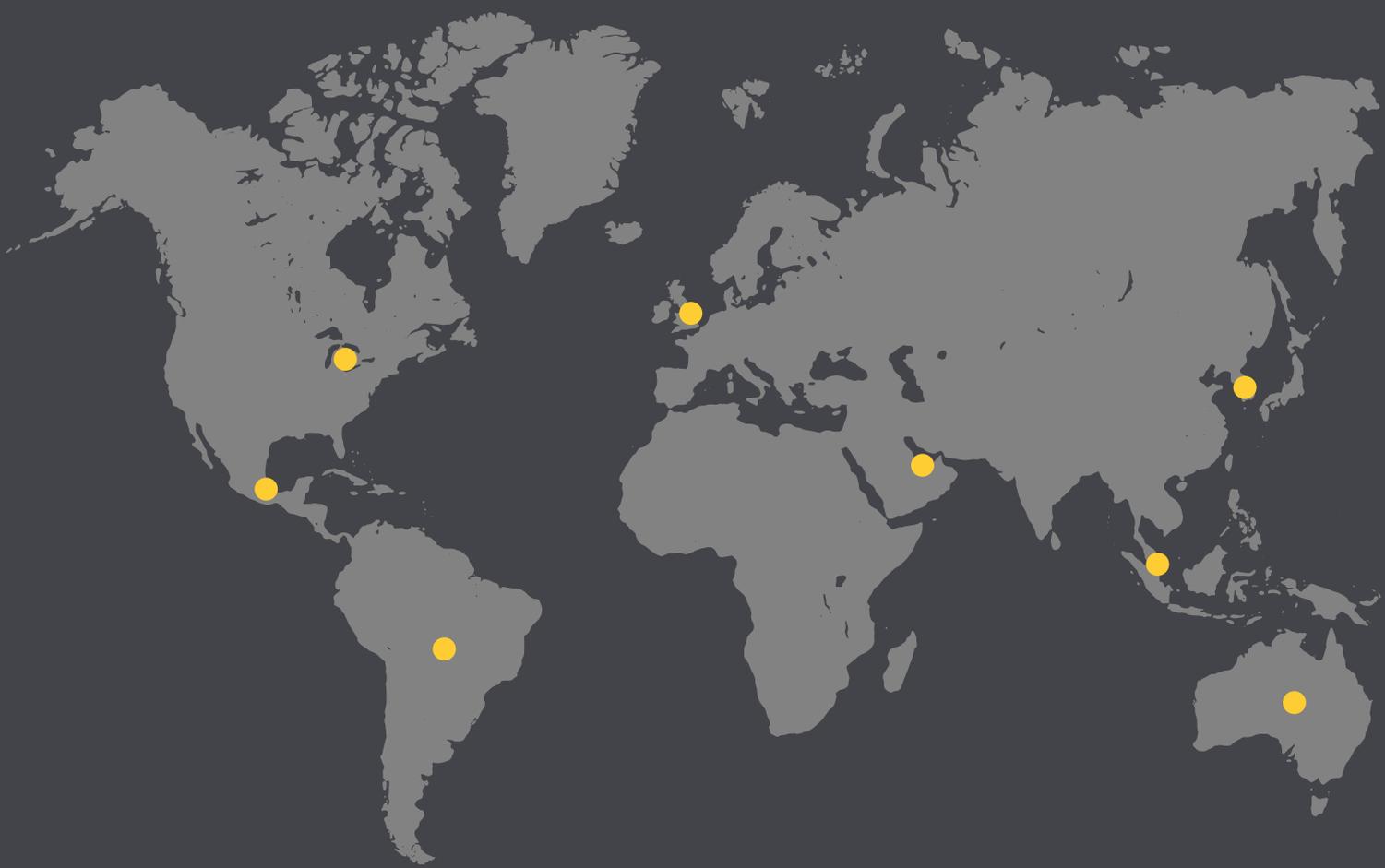
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|  |  |
|--|--|
| AVERAGE DYNAMIC STIFFNESS: (BS EN 29052)             | 381,953 lbf/ft <sup>3</sup> (60 MN/m <sup>3</sup> )  |
| TYPE A HARDNESS: (ASTM D2240)                        | 50 (± 5) durometer   |
| VOC EMISSIONS: (CDPH/EHLB Standard Method 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)                        | 0.512 BTU/ hr · °F · ft <sup>2</sup> (0.090 W / m <sup>2</sup> · K)                          |
| THERMAL TRANSMITTANCE: (U-VALUE)                     | 1.95 BTU/ hr · °F · ft <sup>2</sup> (11.11 W / m <sup>2</sup> · 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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