

GENIEMAT[®] RST02

SOUND CONTROL UNDERLAYMENT



PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST02
DIMENSIONS:	Rollgood: 4' wide, 75' long (1.2 m wide, 22.9 m long)
THICKNESS:	$5/64$ " (nom. 2 mm)
DENSITY:	Shall be > 1000 kg/m ³
ROLLS/PALLET:	16

TECHNICAL DATA

REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (ASTM E492/E2179)	GenieMat RST02 tested over 8" concrete slab with vinyl plank floor covering, no ceiling, IIC 52 and Δ IIC 18 dB as per ASTM E2179
NATURAL FREQUENCY:	Shall not be greater than 92 Hz @ 400 psf loading
HIIC: (ASTM WK59631)	Shall be \geq 58 when tested on an 8" concrete slab with vinyl Shall be \geq 55 when tested on an 8" concrete slab with engineered wood Shall be \geq 45 when tested on an 6" concrete slab with tile
Robinson Wheel Tile Test: (ASTM C627)	Extra Heavy Commercial
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 of cracking and meets standard criteria
AVERAGE DYNAMIC STIFFNESS: (BS EN 29052)	999,443 lbf/ft ³ (157 MN/m ³)
TYPE A HARDNESS: (ASTM D2240)	40 durometer

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It's not magic, it's engineering.®

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

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)

0.085 BTU/ hr · °F · ft² (0.015 W / m² · K)

THERMAL TRANSMITTANCE:
(U-VALUE)

11.76 BTU/ hr · °F · ft² (66.67 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)



GENIEMAT[®] RST05

SOUND CONTROL UNDERLAYMENT



PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST05
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 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
AVERAGE DYNAMIC STIFFNESS: (BS EN 29052)	668,417 lbf/ft ³ (105 MN/m ³)
TYPE A HARDNESS: (ASTM D2240)	40 durometer

GENIEMAT[®] RST05

SOUND CONTROL UNDERLAYMENT



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)



GENIEMAT[®] RST10

SOUND CONTROL UNDERLAYMENT



PRODUCT SPECIFICATION

PRODUCT NAME:	GenieMat RST10
DIMENSION:	Rollgood: 4' wide, 15' long (1.2 m wide, 4.6 m long)
THICKNESS:	3/8" (nom. 10 mm)
DENSITY:	Shall be > 1000 kg/m ³
ROLLS/PALLET:	15

TECHNICAL DATA

REDUCTION OF IMPACT SOUND PRESSURE LEVEL: (ASTM E492/E2179)	GenieMat RST10 tested over 6" concrete slab with 12" x 12" ceramic tile, no ceiling, IIC 50, ΔIIC 21 dB
NATURAL FREQUENCY:	Shall not be greater than 68 Hz @ 400 psf loading
HIIC: (ASTM WK59631)	Shall be ≥ 63 when tested on an 8" concrete slab with vinyl Shall be ≥ 53 when tested on an 8" concrete slab with tile Shall be ≥ 61 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)	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
AVERAGE DYNAMIC STIFFNESS: (BS EN 29052)	407,416 lbf/ft ³ (64 MN/m ³)
TYPE A HARDNESS: (ASTM D2240)	40 durometer

GENIEMAT[®] RST10

SOUND CONTROL UNDERLAYMENT



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)	0.427 BTU/ hr · °F · ft ² (0.075 W / m ² · K)
THERMAL TRANSMITTANCE: (U-VALUE)	2.34 BTU/ hr · °F · ft ² (13.33 W / m ² · 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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