

# Technical Data Sheet | GenieMat RST02

**Product Name:** GenieMat RST02 Acoustic Underlay

**Dimensions:** Rollgood: 4'wide, 75' long (1.2m wide, 22.9 m long)

**Thickness:** nom. 2mm ( $\frac{5}{64}$ "

**Density:** Shall be > 1000kg/m<sup>3</sup>

**Rolls/Pallet:** 16



## Reduction of Impact Sound Pressure

### Level:

GenieMat RST02 tested over 8" concrete slab with vinyl plank floor covering, no ceiling, IIC 52 and  $\Delta$ 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

## Test Method For Evaluating Ceramic Floor Tile Installation Systems:

(ASTM C627)

Extra Heavy Commercial

## Temperature Stability:

-40°F to +240°F (-40°C to +115°C)

## 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

## Rolling Load Indentation When Installed Under Luxury Vinyl Tile:

(ASTMF2753)

Luxury vinyl tile shows no signs of indentation and plank separation for 12,500 cycles

# Technical Data Sheet | GenieMat RST05

**Product Name:** GenieMat RST05 Acoustic Underlay

**Dimensions:** Rollgood: 4' wide, 30' long (1.2 m wide, 9.1 m long)

**Thickness:**  $\frac{3}{16}$ " (nom. 5 mm)

**Density:** Shall be  $> 1000\text{kg/m}^3$

**Rolls/Pallet:** 16



## Reduction of Impact Sound Pressure

### Level:

GenieMat RST05 tested over 6" concrete slab with 12" x 12" ceramic tile, no ceiling IIC 50 and  $\Delta\text{IIC}$  20 dB

### Natural Frequency:

Shall not be greater than 70 Hz @ 400 psf loading

### HIIC

(ASTM WK59631):

- Shall be  $\geq 62$  when tested on an 8" concrete slab with vinyl
- Shall be  $\geq 51$  when tested on an 8" concrete slab with tile
- Shall be  $\geq 59$  when tested on an 8" concrete slab with engineered wood

### Temperature Stability:

-40°F to +240°F (-40°C to +115°C)

## 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

## 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