



# GenieMat® RST

DS-0140-0422

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

GenieMat® RST

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

GenieMat RST is a high performance acoustical and sound control underlayment system that muffles impact noises through ceramic tiles, stone and other hard surfacing materials.

It also minimizes the transmission of cracks from the substrate to the tile installation up to 3 mm, non-movement cracks. GenieMat RST is available in different thicknesses and is comprised of 94% post-consumer recycled materials.

### Uses

- For interior use only
- Reduces the transmission of impact noise from one floor to the floor below, ideal when sound control is required in residential, educational, hotel, commercial and healthcare buildings
- Designed to be used under thin-bed adhesive for interior floor installations of ceramic tile, porcelain tile, marble, stone, and brick

- Prevents cracks from transferring through to the finish floor

### Advantages

- Eliminates transmission of substrate cracks of up to 3mm from transferring to the finished floor
- Resistant to mould, bacteria and fungi
- Exceeds the point load test for crack isolation membranes per ANSI A118.12 specifications (interior dry applications only)
- Meets VOC emission requirements for indoor air quality (IAQ) tests per ASTM D5116
- Easy and fast to install with standard tools
- Available in various thicknesses (2mm – 15mm) and as a perimeter isolation strip

### Suitable Substrates

- Concrete
- Cement Backer Board
- Cement Mortar Bed
- Exterior Glue Plywood
- Terrazzo
- Existing Ceramic Tile and Stone

### Packaging

GenieMat® RST	Roll Size
RST02	2 mm x 1.22 m x 22.90 m
RST03	3 mm x 1.22 m x 9.14 m
RST05	5 mm x 1.22 m x 9.10 m
RST10	10 mm x 1.22 m x 4.57 m
RST12	12 mm x 1.22 m x 4.57 m
RST15	15 mm x 1.22 m x 4.57 m
PMI*	120 mm x 5 mm x 50 m

\* PMI (Perimeter Isolation Strip)

### Limitations

- For horizontal use over suitable interior substrates only.
- Not for use over expansion joints or structural movement cracks.
- GenieMat® RST is not intended for use as a waterproofing membrane.

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane.

### Cautions

- During cold weather, protect finished work from traffic until adhesive is fully cured.
- For green marble, resin backed or other moisture sensitive tile or stone, use LATAPOXY® 300 Adhesive.
- For white and light-coloured marbles use 254 PLATINUM in White.
- Keep out of reach of children.

## 4. TECHNICAL DATA

### Applicable Standard

- EN 29052
- ISO 717.2
- ISO 7619.1
- ASTM E492
- ASTM E2179
- ASTM C627
- ASTM D5116
- ANSI A118.12 (5.2)

### Physical Properties

GenieMat® RST	Thickness	Robinson Floor Test (ASTM C627)	Sound Reduction ( $\Delta L_{n,w}$ )*
RST02	2 mm	Extra Heavy Commercial	$L_{n,w}$ 64 dB, $\Delta L_{n,w}$ 14 dB
RST03	3 mm	Moderate Commercial	$L_{n,w}$ 65 dB, $\Delta L_{n,w}$ 15 dB
RST05	5 mm	Moderate Commercial	$L_{n,w}$ 61 dB, $\Delta L_{n,w}$ 14 dB
RST10	10 mm	Light Commercial	$L_{n,w}$ 60 dB, $\Delta L_{n,w}$ 14 dB
RST12	12 mm	Light Commercial	$L_{n,w}$ 57 dB, $\Delta L_{n,w}$ 14 dB
RST15	15 mm	Light Commercial	$L_{n,w}$ 58 dB, $\Delta L_{n,w}$ 14 dB

\*Under tile floor finish on 150 mm concrete slab, no ceiling. Impact performance may vary under different floor finish/ceiling configurations.

*Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.*

## 5. INSTALLATION

### Surface Preparation

All surfaces should be between 8°C and 35°C and structurally sound, clean and free of all dirt, oil, grease,

paint, concrete sealers or curing compounds and cement laitance. Rough or uneven concrete surfaces should be made smooth with a LATICRETE latex Portland cement underlayment or smoothing compound to provide a wood float or better finish.

Dampen absorbent cementitious screeds and plasters or if the surface is particularly hot and dry, and then sweep off excess water. Ceramic tile and stone substrates must be clean, mechanically resistant and perfectly anchored to the substrate.

### Application – Perimeter Isolation Strip

It is essential that all walls and building elements are isolated from the floor.

It is recommended to install a perimeter isolation strip such as GenieMat® PMI before placing and trimming GenieMat® RST. Attach the perimeter isolation strip to the perimeter wall of the entire subfloor, as well as around the perimeter of any protrusions, in order to isolate or break the vibration transmission path between the floor and the wall.

Temporarily fasten perimeter isolation strip in place with masking, duct, or carpet tape. The perimeter isolation strip can then be removed after the tiles have set firm. The joints can then be filled with an appropriate acoustical or elastomeric sealant.

### Application – GenieMat® RST

Use a C2 S1 LATICRETE tile adhesive such as 254 PLATINUM or 335 SUPER FLEX to adhere the GenieMat RST to the substrate. Use a 6 mm x 6 mm notched trowel and comb mortar over substrate, apply only enough mortar as can be covered within 10 - 15 minutes. Unroll the mat into place, in the thin set adhesive mortar. Once installed, use a 15 - 16 kg roller to embed the mat firmly into the thin set adhesive mortar. Allow to cure for 24 hrs at 21°C.

*NOTE: When installing the GenieMat RST, do not overlap edges but be sure edges of each piece butt firmly together. Make sure that the mat is trimmed to desired length and width before installing.*

Once fully cured, install ceramic tile, porcelain or stone finish directly over the GenieMat RST using a polymer fortified multipurpose thin set adhesive. Follow instructions on adhesive packaging.

## 6. AVAILABILITY AND COST

### Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:  
+39 059 535540  
[info@laticreteeuropa.com](mailto:info@laticreteeuropa.com)

For on-line distributor information, visit [www.laticrete.eu](http://www.laticrete.eu).

### Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

## 7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS 230.13EU: 1 Year Product Warranty
- DS 230.10EU: 10 Year System Warranty

## 8. MAINTENANCE

LATICRETE® and LATAPOXY® are products of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

## 9. TECHNICAL SERVICES

### Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:  
+39 059 535540  
[technicalservices@laticreteeuropa.com](mailto:technicalservices@laticreteeuropa.com)

### Technical and Safety Literature

To obtain technical and safety literature, please visit our website at [www.laticrete.eu](http://www.laticrete.eu).

### Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as

expressly indicated in the product data sheets, documentation, or applicable technical documentation.

## 10. FILING SYSTEM

Additional product information is available on our website at [laticrete.eu](http://laticrete.eu). The following is a list of related documents:

- DS 230.13EU: 1 Year Product Warranty
- DS 230.10EU: 10 Year System Warranty
- DS 6770: 254 PLATINUM Product Data Sheet