

Sarnafil® Acoustic Mat

Acoustic Mat for Sarnafil® Roofing Systems

Product Description	Acoustic mat made from recycled granulated rubber bonded together with polyurethane for use in Sarnafil® waterproofing systems.
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Uses	For use with SarnaTherm G or S insulation when there is a sound reduction requirement.
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Characteristics / Advantages	<ul style="list-style-type: none">■ Recycled■ Ease of installation■ Can be used in adhered and mechanically fastened Sarnafil® waterproofing systems
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Tests

Approvals / Standards	■ Quality management system EN ISO 9001/14001
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Product Data

Form	Rolled mat
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Appearance	colour: black
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Storage

Storage Conditions	shall be stored in dry conditions.
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Shelf-Life	does not expire during correct storage.
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Material Basis	recycled granulated rubber.
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Technical Data

Material Basis	recycled granulated rubber bonded with polyurethane.
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Dimensions/Tolerances	Length: 6.00m + 1.5%(DIN 53571)
	Width: 1.25m+ 1.5%(DIN 53571)
	Thickness: 10mm + 1.5%(DIN 53571)
	Density: 770 kg/m ³



Physical Properties

Tensile Strength 0.6N/mm² (DIN 53571)

Elongation at break 10mm approx 60% (DIN 53571)

Service Temperature -30°C to + 80°C

Environmental behavior Limited resistance to acid and alkaline solution

Installation Instructions

Application Guideline Based on the valid installation instructions of the relevant roof waterproofing membrane.

Adhered Application Method using Sarnacol 2162®.

General information:

Sarnacol® 2162 container must be shaken vigorously before use.

Close the container if work is stopped for a long period.

At low temperatures the container can be warmed in warm water (max. 50 °C) in order to improve the application rate i.e. lower the viscosity and increase fluidity.

The Sarnafil® Acoustic Mat should be laid in a break-bond pattern over a suitable vapour control layer. Where applicable lay the long edge perpendicular to the metal deck troughs and ensure the short sides of the Sarnafil Acoustic Mat are fully supported on the metal deck crowns.

Joints should be lightly butted to avoid gaps and all joints taped with suitable aluminium tape prior to the overlay of the SarnaTherm Insulation. Night joints should be installed where required to prevent ingress during construction

Adhered Application Method using Sarnacol 2162®.

Ensure the substrate is non-friable, clean, dry and free of dust or loose deleterious matter.

Remove the lid from the tin and pull out the pouring spout. In central zones apply 4 continuous beads of adhesive per metre in parallel straight lines with a liquid bead width of 20mm (circa 300 g/m²). In perimeter zones apply 6 continuous beads of adhesive per metre with a liquid bead width of 20mm (circa 500 g/m²). This methodology and coverage rate must be repeated for any SarnaTherm that is bonded to the acoustic mat. Do not apply more adhesive than can be covered in 5 minutes. The Sarnafil® Acoustic Mat must be laid and pressed into the adhesive beads before skin formation. All Sarnafil® Acoustic Mat joints must be butted together and taped over with aluminium tape.

When bonding Sarnacol® 2162 it is recommended that periodic checks are carried out to check that the adhesive ridges have been squeezed flat. Do this by lifting the bonded material at the leading edge. This is especially important on very uneven substrates.

Mechanically Fixed Application Method.**General information:**

The Sarnafil® Acoustic Mat should be laid in a break-bond pattern over a suitable vapour control layer. Where applicable lay the long edge perpendicular to the metal deck troughs and ensure the short sides of the Sarnafil Acoustic Mat are fully supported on the metal deck crowns.

Joints should be lightly butted to avoid gaps and all joints taped with suitable aluminium tape prior to the overlay of the SarnaTherm Insulation. Night joints should be installed where required to prevent ingress during construction

When mechanically attaching the SarnaTherm insulation it should be laid on top of the Sarnafil® Acoustic Mat, and attached to the substrate with mechanical fixings.

Mechanically Fixed Application Method:

Each fixing shall incorporate a square insulation washer, a minimum of 70mm x 70mm.

The requirements for securing the waterproofing membrane shall be considered separately.

A minimum of 6 fixings shall be placed within the individual board area and be sited >50mm and <150mm from the edges and corners of the board, giving a minimum fixing rate of 2.08 fixings per square metre for a 2400mm x 1200mm board.

A minimum of 4 fixings shall be placed within the individual board area and be sited >50mm and <150mm from the edges and corners of the board, giving a minimum fixing rate of 5.55 fixings per square metre for a 1200mm x 600mm board.

The fixing numbers stated above are the minimum requirement in order to ensure stability of the insulation board. Additional fixings may be required, in accordance with BS 6399 or BS EN 1991-1-4, in order to resist the wind uplift acting on the roof.

Project specific fixing details must be ascertained from the latest Sarnafil project specification.

Notes on Installation / Limits

Installation works to be carried out only by Registered Sarnafil® Contractors. Temperature limits will depend on waterproofing membrane installation limits. Use of some ancillary products, e.g. adhesives is limited to temperatures above +5 °C. Please observe information given by Product Data Sheets.

Setting

Setting Time for Sarnacol® 2162

The curing rate of Sarnacol® 2162 is influenced by air humidity, temperature, thickness of the adhesive beads and the substrate (moisture content).

The setting times on moisture containing substrates such as timber and concrete are:

approx. 5 hours at 5 °C
approx. 2½ hours at 23 °C

The setting times on non-moisture containing substrates such as bituminous products are:

approx. 8 hours at 5 °C
approx. 5½ hours at 23 °C

Value Base	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
Ecology, Health and Safety Information	<p>The product does not fall within the EC-regulation of hazardous goods. As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it. The product does not damage the environment when used as specified.</p> <p>When using Sarnacol[®] 2162 in conjunction with Sarnafil[®] Acoustic Mat please refer to the most recent Material Safety Data Sheet which contains physical, ecological, toxicological and other safety-related data.</p>
Protective Measures	Regulatory safety requirements must be observed.
Transportation Class	The product is not classified as hazardous good for transport.
Disposal	The material is recyclable. Any disposal must be according to regulatory requirements.

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. Any protective rights or existing laws and provisions must be followed by the recipient or processor of our products at their own responsibility. Moreover our general terms and conditions of sale and guarantee are valid.



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Sarnafil®