

# PRODUCT DATA SHEET

## Sika® ThermoCoat-4

### ALKALI RESISTANT COATED GLASS FIBRE GRID

#### DESCRIPTION

Sika® ThermoCoat-4 is a balanced bi-directional glass fibre grid, equipped with an alkali resistant coating, to be used as finishing layer strengthening of External Thermal Insulation Composite System (ETICS).

#### USES

Sika® ThermoCoat-4 is designed to:

- resist against impacts
- distribute stresses
- avoid cracks

Sika® ThermoCoat-4 is part of Sika® ThermoCoat ETICS system.

#### CHARACTERISTICS / ADVANTAGES

Sika® ThermoCoat-4 gives to the system a suitable resistance against impacts and movements due to temperature change or shrinkage. Sika® ThermoCoat-4 distributes stresses on the entire surface of the coat, in order to avoid concentration of stresses and cracking.

#### APPROVALS / CERTIFICATES

Sika® ThermoCoat-4 complies with the requirements of ETAG 004 according to ETA 11/0358 technical approval.

#### PRODUCT INFORMATION

<b>Construction</b>	Fibre orientation: 0° / 90° Stitch spacing: 3.5 x 3.4 mm (center to center distance)
<b>Fibre Type</b>	Glass fibre
<b>Packaging</b>	Roll length: 50 m Roll width: 110 cm
<b>Shelf life</b>	Sika® ThermoCoat-4 does not have an expiring date.
<b>Storage conditions</b>	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions.
<b>Area Density</b>	165 g/m <sup>2</sup>

#### TECHNICAL INFORMATION

<b>Tensile Resistance</b>	Warp (longitudinal)	2,200 N / 5 cm
	Weft (transverse)	2,100 N / 5 cm
<b>Elongation at Break</b>	Warp (longitudinal)	3.75 %
	Weft (transverse)	4.65 %

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## SYSTEMS

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### System Structure

Sika® ThermoCoat 1/3: Bonding Mortar for Sika® ThermoCoat-2 panels  
Sika® ThermoCoat-2: Polystyrene insulating panel  
Sika® ThermoCoat 1/3: Smoothing and finishing layer  
Sika® ThermoCoat-4: Reinforcement grid for the finishing layer  
Sika® ThermoCoat-5 New: Decorative and protective wall finishing  
Sika® Thermocoat-6: PVC protection for corners  
Sika® Thermocoat-7: Starting aluminium profile  
Sika® Thermocoat-8: Plastic mechanical fixing anchor

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## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

Apply evenly a first layer of Sika® ThermoCoat 1/3 on the surface of thermal insulation panels. Place Sika® ThermoCoat-4 grid onto the surface of the fresh product and ensure an overlapping of > 10 cm. Apply a second layer of Sika® ThermoCoat 1/3 onto the grid. The second coat of Sika® ThermoCoat 1/3 must embed and completely cover the reinforcement grid. Apply Sika® ThermoCoat 1/3 by means of a trowel. Avoid blowholes, bubbles and pleats in order to avoid stress concentration. Apply Sika® ThermoCoat 6 with pre-assembled fibre glass grid along corners. Apply a double layer of Sika® ThermoCoat-4 on highly stressed areas such as wall base. Strengthen window corners by using an additional piece of grid (about 35 x 20 cm) applied in oblique direction to avoid cracking.

### BASIS OF PRODUCT DATA

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

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w)

### LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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