

PRODUCT DATA SHEET

SikaWall®-9160 Mesh GR

Alkali resistant glass fiber mesh for rendering reinforcement of External Thermal Insulation Systems (ETICS)

DESCRIPTION

SikaWall®-9160 Mesh GR is a glass fiber mesh with alkali resistant coating, suitable for strengthening the base coat render of External Thermal Insulation Systems (ETICS)

Available in two types: **SikaWall®-9160 Mesh GR Standard** and **SikaWall®-9160 Mesh GR Flex**

USES

- Designed for use as reinforcement of the base coat rendering on External Thermal Insulation Composite Systems applications, for absorbing surface tensions and mechanical stresses
- Integrated component of Sikatherm®, External Insulation Composite Systems range
- Designed for use as reinforcement of cement based renderings for preventing crack formation
- Ideal for facades repair applications

PRODUCT INFORMATION

Reinforcing material	Glass fiber mesh with alkali resistant coating
Packaging	Roll length: 50 m Roll width: 110 cm
Appearance and colour	Yellow mesh with red Sika logo and overlapping threads 10cm from edges
Shelf life	Unlimited if stored properly in undamaged and unopened, original sealed containers
Storage conditions	The Product must be stored in original, unopened and undamaged packaging in dry conditions, protected against UV, heat and frost, practically packed in plastic foil, vertically in cardboard box, on a wooden pallet, at temperatures between -10 °C and +40 °C. Always refer to packaging.
Length	50 m (±1 %)
Width	110 cm (±1 %)

FEATURES

- Easy embedding in the base coat render
- Alkali resistance due to specific surface treatment
- Long term resistance against movements due to temperature change or shrinkage
- Uniform stress distribution on the entire surface of render of facade systems, in order to avoid concentration of stresses and cracking

CERTIFICATES AND TEST REPORTS

- CE marking and Declaration of Performance acc. to EAD 040083-00-0404: "External Thermal Insulation Composite Systems (ETICS) with renderings"
- CE marking and Declaration of Performance acc. to EAD 040016-00-0404: "Glass fibre mesh for reinforcement of cement based renderings"

Thickness >0,43 mm

Weight ≤160 gr/m²

TECHNICAL INFORMATION

Tensile strength

	Initial	After ageing	(EAD 040016-00-0404)
Warp (longitudinal)	≥34 N/mm	≥20 N/mm	
Weft (transverse)	≥40 N/mm	≥20 N/mm	
		≥50 % of the strength in the as-delivered state	

Elongation

	Initial	After ageing	(EAD 040016-00-0404)
Warp (longitudinal)	<3.0 %	<2.0 %	
Weft (transverse)	<3.5 %	<3.0 %	

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.

IMPORTANT CONSIDERATIONS

- Do not unroll SikaWall®-9160 Mesh GR from the bottom up
- Ensure full embedding for smooth final rendering
- Ensure an overlapping of at least 10 cm
- If a second layer of SikaWall®-9160 Mesh GR is used, it should be ensured that the first layer is applied without overlapping (but-joined), and the second layer is laid offset to overlap
- Embed additional diagonal pieces of SikaWall®-9160 Mesh GR (about 30x40 cm) at corners of the facade apertures
- Install additional accessories (corner bed profiles, drip edge profile, e.t.c.), before installing SikaWall®-9160 Mesh GR
- Suitable scaffolding net should be provided in order to protect the facade, the substrate and the individual layers against external weather influences (sun, wind, rain)

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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).

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

Apply a uniform layer of mortar using a notched trowel. Place SikaWall®-9160 Mesh GR onto the surface of the freshly applied mortar, from top to bottom, either in vertical or in horizontal webs, with an overlap of at least 10cm, without creases, in the middle or in the outer third of the base coat render. In order to ensure an adequate covering, the embedded glass fibre mesh must be coated wet-on-wet with the base coat mortar (SikaWall® range products). SikaWall®-9160 Mesh GR must be covered with at least 1 mm, and at least 0.5 mm in the area of the overlapping glass fibre mesh.

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.

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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