

PRODUCT DATA SHEET

SikaWrap®-350 G Grid

Alkali resistant glass fibre grid for textile reinforced mortars



DESCRIPTION

SikaWrap®-350 G Grid is a glass fibre, bi-directional grid, protected with an alkali resistant coating. Part of the Sika MonoTop®-722 Mur textile reinforced mortar system.

USES

Embedded as reinforcement into Sika MonoTop®-722 Mur mortar and used for:

- Reinforcing masonry walls made of brick, blocks or stone
- Reinforcing infill masonry walls
- Connecting masonry walls to other walls or to reinforced concrete structures
- Increasing the resistance to out-of-plane failure of masonry walls subject to horizontal earthquake action
- Increasing the in plane resistance and ductility of masonry walls subject to horizontal earthquake action
- Repair of cracked masonry walls
- Interior or exterior use

PRODUCT INFORMATION

Construction	Fibre orientation	0° / 90°
	Grey alkali resistant SBR coating Stitch spacing: 18,2 × 14,2 mm (centre to centre)	
Fibre type	E-glass fibre	
Packaging	Roll width	1,0 m
	Roll length	50 m
Shelf life	24 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging.	

Dry fibre density	2,6 g/cm ³		
Area density		Glass fibre	With coating
	Total	280 g/m ² ± 5 %	360 g/m ² ± 3 %
	Warp (longitudinal):	145 g/m ² ± 5 %	—
	Weft (transverse):	135 g/m ² ± 5 %	—
Dry fibre tensile strength	2600 N/mm ² (measured on roving)		
Dry fibre modulus of elasticity in tension	> 80 000 N/mm ²		

TECHNICAL INFORMATION

Tensile resistance	Warp (longitudinal)	~77 kN/m
	Weft (transverse)	~76 kN/m
<p>Note: The above values are typical and indicative only. Effective values depend on the quality of application and the type of tensile testing procedure. Apply material reduction factors according to the relevant design standard.</p>		

SYSTEMS

System structure	<ul style="list-style-type: none"> ▪ SikaWrap®-350 G Grid ▪ Sika MonoTop®-722 Mur E
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APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Refer to the Sika Method Statement: Textile reinforced Mortar and Sika MonoTop®-722 Mur E Product Data Sheet

SUBSTRATE PREPARATION

Refer to the Sika Method Statement: Textile reinforced Mortar and Sika MonoTop®-722 Mur E Product Data Sheet

APPLICATION METHOD / TOOLS

Apply the first layer of Sika MonoTop®-722 Mur E mortar (5 mm minimum) to the prepared substrate. Embed SikaWrap®-350 G Grid into the 1st wet layer of mortar.

While the first layer is still wet, apply a 2nd layer of mortar (~5 mm) to completely cover the SikaWrap®-350 G Grid.

Finish the surface of the 2nd layer of mortar according to project requirements using wooden or plastic float. Also refer to the Sika Method Statement: Textile reinforced Mortar and Sika MonoTop®-722 Mur Product Data Sheet

FURTHER INFORMATION

- Sika Method Statement: Textile reinforced Mortar
- Sika MonoTop®-722 Mur E Product Data Sheet

IMPORTANT CONSIDERATIONS

- Reference must be made to the Sika Method State-

ment: Textile reinforced Mortar and Sika® MonoTop®-722 Mur Product Data Sheet

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 the 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.

Sika Hellas ABEE

15 Protomagias Str.
14568 Kryoneri
Attica-Greece
Tel.: +30 210 8160 600
Fax: +30 210 8160 606
www.sika.gr | sika@gr.sika.com



Product Data Sheet

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