

## PROVISIONAL PRODUCT DATA SHEET 2024-01-19

# SikaFill®-300 Thermic

Elastic waterproofing covering in-situ with thermal properties

## DESCRIPTION

Elastic covering with a creamy consistency, based on styrene-acrylic copolymers in aqueous emulsion, which once dry forms a flexible, waterproof and durable film. It is specially designed to improve the insulating capacity of the covering in a simple and economical way. The product is externally certified by Paslink cell testing.

## USES

- Waterproofing of visitable roofs on different types of substrates:
  - Catalan tiled terrace.
  - Fibre cement.
  - Roof tiles.
  - Brick.
  - Morttar.
  - Concrete.
  - Asphalt sheets with aluminium or slate finish.
- Vertical side walls, pipings, etc.
- Bridgings of joints and cracks.
- Repair of tiles and zinc gutters.
- Treatment of meeting points in chimneys.

To apply on PVC or polyester substrates, and on paint, it is recommended to carry out previous tests to determine their compatibility and whether it is necessary to carry out a sanding before.

## PRODUCT INFORMATION

Composition	Aqueous emulsion based on styrene-acrylic copolymers with aggregates.
Packaging	12 kg plastic cans.
Shelf life	12 months from date of production
Storage conditions	Stored it in undamaged and unopened, original sealed bags. Store in cool and dry conditions. Protect it from frosts and direct sunlight.
Colour	White

## FEATURES

- Waterproof to rain and splashes
- It highlights its thermal properties
- High elasticity
- High durability
- Cold application
- Resistant to microcracking
- Able to follow the expansion and contraction movements of the substrate without cracking.
- Good adhesion to most substrates: concrete, mortar, fibre cement, tiles, bricks, bituminous
- Non-toxic and non-flammable

## CERTIFICATES AND TEST REPORTS

- Conformity with LEED v4 SSc 5 (Option 1): Heat Island Reduction - Roof (only white colour).

Density	Approx 0.87 kg/l.	
Solid content by mass	55%	
Tensile resistance	Min. 10 kg/cm <sup>2</sup>	
Tensile strain at break	200 %	
Foldability at low temperature	No cracking (at -5°C)	
Yield	On roofs: at least 1 kg/m <sup>2</sup> in three or more coats, applying 0.30 - 0.50 kg/m <sup>2</sup> per coat. On vertical surfaces: at least 0.75 kg/m <sup>2</sup> applied in two or three coats.	
Ambient air temperature	Min. +5° C / Max. +35°C.	
Substrate temperature	Min. +5° C / Max. +35°C.	
Drying time	Touch dry	Approx. 2 hours (a 20°C)
	Total dry	Approx. 3 - 5 hours (a 20°C)

## 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

It must not be used in places where it is in permanent contact with water, either by storage, puddling or condensation.

It is a finishing paint. It must not be coated.

If a membrane with higher mechanical resistance is required, the Armafill glass fabric reinforcement or any other reinforcement system compatible with Sikafill®-300 Thermic should be inserted into the system.

Do not place sharp objects on the treatment.

Not recommended for constant or prolonged immersion.

At least 2 coats must be applied on the priming.

## ECOLOGY, HEALTH AND SAFETY

Para cualquier información referida a cuestiones de seguridad en el uso, manipulación, el almacenamiento y la eliminación de productos químicos productos, los usuarios deberán consultar la versión más reciente de la Hoja de Seguridad del producto, que contiene datos físicos, ecológicos, toxicológicos y demás cuestiones relacionadas con la seguridad. For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

## APPLICATION INSTRUCTIONS

### MIXING

Mix Sikafill®-300 Thermic (by hand or with a low revolution mixer) before use until the product is completely homogeneous.

### APPLICATION

Apply with a short-haired wool roller or a brush. Apply a coat with a short-haired wool roller or a brush of the product diluted in the proportion of 3 parts by volume of Sikafill® -300 Thermic to 1 part water, making sure that it penetrates well into all cracks and crevices.

Once the primer has dried (approximately 12 hours after application under normal conditions of temperature and relative humidity), apply successive coats of Sikafill® -300 Thermic until the desired film thickness is achieved. Before applying a new coat, the previous coat must be completely dry. Depending on the use, and if necessary, the first coat of Sikafill® -300 Thermic applied undiluted, the Armafill glass fabric reinforcement should be applied on top of the fresh coat and covered with a second coat of undiluted Sikafill® -300 Thermic

Characteristics	ARMAFILL
Material:	Glass fabric
Weight:	64 g/m <sup>2</sup>
Thickness::	0.1 mm
Mechanical resistance:	.
Warp:	19 kg/cm <sup>2</sup>
Weft:	17 kg/cm <sup>2</sup>
Packaging:	1 x 50 m

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

## 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.

### Sika Hellas ABEE

15, Protomagias Str.  
GR 145 68, Kryoneri, Attica  
Tel.: +30 210 81 60 600  
E-mail: [info@gr.sika.com](mailto:info@gr.sika.com)  
[www.sika.gr](http://www.sika.gr)



Provisional Product Data Sheet 2024-01-19  
SikaFill®-300 Thermic  
September 2023, Version 01.01  
020915101000000053

PROVISIONAL\_SikaFill-300Thermic-en-GR-(09-2023)-1-1.pdf