

## PRODUCT DATA SHEET

# SikaFill®-370 Fibers

Elastic waterproofing covering with glass fibers for roofing

## DESCRIPTION

SikaFill®-370 Fibers is an elastic covering of creamy consistency, based on styrene-acrylic copolymers in aqueous emulsion with glass fibers. SikaFill®-370 Fibers after curing forms a flexible and durable waterproofing membrane using Duralastic technology.

## USES

Waterproofing of visitable roofs on different types of substrates:

- Very porous tile terrace
- Fibrocement
- Zinc
- Aluminium
- Wood
- Tiles
- Brick
- Mortars
- Concrete
- Asphalt sheets with finishing of aluminium or slate etc.

Protection of partition walls against surface water filtrations.

- Vertical side walls, pipings etc.
- Bridging of joints and cracks
- Repair of tiles and zinc eaves 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 beforehand.

## FEATURES

- Waterproof to rain and splashes
- High elasticity and capacity to bridging cracks
- Passable
- High weather resistance
- Easy cold application by traditional methods
- Good crack bridging properties
- Good adhesion to most substrates
- Based on water, not toxic or inflammable

## PRODUCT INFORMATION

<b>Composition</b>	Watery emulsion using styrene-acrylic copolymers
<b>Packaging</b>	1.0 kg, 5.0 kg and 20.0 kg pails
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	Store it in undamaged and unopened, original sealed bags. Store in cool and dry conditions. Protect it from frost and direct sunlight. Always refer to packaging.
<b>Colour</b>	White, Grey and Terracotta
<b>Density</b>	~1.3 kg/lit
<b>Solid content by mass</b>	~60 %

## TECHNICAL INFORMATION

Tensile strength	≥7 kg/cm <sup>2</sup>	(UNE 53165)
Tensile strain at break	200 %	(UNE 53165)

## SYSTEM INFORMATION

System structure	Primer: 1x SikaFill®-370 Fibers diluted Coating: 2x SikaFill®-370 Fibers	
Yield	At least 2 kg/m <sup>2</sup> applied in two or more coats. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage, e.t.c.	
Ambient air temperature	Minimum	+5 °C
	Maximum	+35 °C
Substrate temperature	Minimum	+5 °C
	Maximum	+35 °C
Drying time	Touch dry	~2 hours (at 20 °C)
	Total dry	~3 - 5 hours (at 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 should not be used in places where it is in permanent contact with water, due to condensations or roof inclination
- SikaFill®-370 Fibers is a finishing paint. It must not be coated
- In case a membrane with higher mechanical resistance is required, embed Sika® Fibernet or Sikalastic®-120 Fleece to the fresh coat of SikaFill®-370 Fibers according to the directions stated above
- Do not place piercing/sharp objects on the membrane
- Not recommended for constant or very long immersion in water
- At least 2 coats must be applied on the primer
- In order to obtain adhesion on bituminous sheets with an anti-adhesive polyethylene film, prior to the application of SikaFill®-370 Fibers, the film must be burned and dry quartz sand must be applied, while the bituminous coating is still tacky

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

## APPLICATION INSTRUCTIONS

### EQUIPMENT

#### Substrate preparation equipment

- Abrasive blast cleaning / planing / scarifying or grinding equipment
- High pressure power washer

#### Mixing Equipment

- Electric single paddle mixer

#### Application Equipment

- Brush
- Roller
- Airless spray

### SUBSTRATE QUALITY

Concrete substrates must be sound and of sufficient compressive strength (≥25 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>.

### SUBSTRATE PREPARATION

All surfaces to be coated should be thoroughly cleaned by conventional means. The substrate must be clean and free from all contaminants such as dirt, oil, grease, coatings and surface treatments, e.t.c. which prevent adhesion.

Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed.

Repair the substrate, using appropriate Sika Mono-Top® or SikaRep® repair mortars.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

## MIXING

Prior to application, stir SikaFill®-370 Fibers gently but thoroughly at least for 1 minute in order to achieve a homogeneous mixture. For mixing, an electric single paddle mixer (300-400 r.p.m.) with a spiral blade can be used.

## APPLICATION

Using a short-haired roller or a brush, apply a layer of the product as a primer (dilute it with water at a ratio of 3 parts product and 1 part water and mix it until it becomes completely homogeneous), ensuring that it penetrates well into the substrate and all the cracks. Once the priming coat is dry (after approx. 12 hours in normal conditions) apply successive layers of SikaFill®-370 Fibers until the desired film thickness desired is achieved. Before applying each layer, the previous one must have completely dried (full cure).

Depending on the uses, and in the case of requirements for embedding a reinforcement net, follow the instructions stated at "System Structure". Sika® Fibernet or Sikalastic® Fleece-120 must be placed on the first, still fresh, undiluted coat of SikaFill®-370 Fibers covering it with a second, undiluted layer of SikaFill®-370 Fibers. The edges of Sika® Fibernet or Sikalastic® Fleece-120 must be overlapped between 5 and 10cm. For more information refer to the Product Data Sheet of the chosen reinforcement.

## CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardener 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.

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