

# Sikafloor® Marine Elastic

## Water proofing in situ applied membrane

### Typical Product Data

Chemical base	Polymer modified mortar
Color	Grey
Cure mechanism	Combined hydraulic/ water evaporation
Density fresh mixed	1.5 kg/l (12.5 lb/gal)
Density dried	1.4 kg/l (11.7 lb/gal)
Part of cold potable water per packaging unit (20 kg bag)	Spatula consistency Brush consistency Roller consistency
	4.4 liters (150 oz) 5.6 liters (190 z) 6.8 liters (230 oz)
Substrate temperature	5 - 35° C (40 - 95° F)
Coverage per 20 kg bag (layer thickness 2 mm (0.08 in))	13 m <sup>2</sup> (140 ft <sup>2</sup> )
Working time	45 minutes
Ready to walk on <sup>1</sup> (CQP <sup>2</sup> 600-3)	depending on humidity and ventilation
	18 hours
Shelf life (CQP 600-1) Stored in a cool, dry place below 25° C (77° F)	12 months

<sup>1)</sup> 23° C (73 °F) / 50% R.H.      <sup>2)</sup> Corporate Quality Procedure

#### Description

Sikafloor® Marine Elastic is a one component waterproofing membrane, based on polymer modified cement. Sikafloor® Marine Elastic is manufactured in accordance with ISO 9001 / 14001 quality assurance and tested according to FTP Code system and approved according to the IMO Marine Equipment Directives.

#### Product Benefits

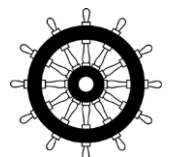
- Applicable on humid substrates
- Primerless application
- Adjustable consistency
- One component, ready to mix
- Easy application by roller, brush or spatula

#### Areas of Application

Sikafloor® Marine Elastic is applied on porous surfaces as a water proofing layer in wet areas prior to the application of deck finishing materials such as tiles, natural stones etc. This product is suitable for professional experienced users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, label and Safety Data Sheet, which are available on request at [tsmh@us.sika.com](mailto:tsmh@us.sika.com). Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product as set forth in the current Product Data Sheet, label and Safety Data Sheet prior to product use.

Industry



### Cure Mechanism

Sikafloor® Marine Elastic cures by way of hydraulic curing (evaporation of water).

Sikafloor® Marine Elastic must be hard before finishing materials are applied.

### Method of Application

#### Surface preparation

The surface has to be clean, free from dust, grease, oils and other substances, which may impair the adhesion.

For further information please contact the Technical Department of Sika Industry at [tsmh@us.sika.com](mailto:tsmh@us.sika.com).

#### Mixing process

One 20 kg bag of Sikafloor® Marine Elastic is mixed with 4.4 to 6.8 liters (150 to 230 oz) depending on desired application method. Mix the compounds thoroughly 3-4 minutes by propeller mounted mixer. If mixed by hand, ensure the powder is mixed completely (bottom and side walls of the bucket).

#### Application

Apply Sikafloor® Marine Elastic with:

- Spatula exerting a good compacting pressure on the substrate
- Medium-short hair roller achieving a homogeneous and regular layer on the substrate
- Brush by cross application between the layers

Sikafloor® Marine Elastic has to be applied within 45 minutes after mixing. At temperatures above 35° C (95° F), the open time will be reduced to 30 minutes or less.

### Curing

After application, the finished areas should be protected against sunlight and draught during the curing process for at least one day after application. It is recommended to ensure good air ventilation after the first day. Before covering Sikafloor® Marine Elastic with dense materials ensure that the remaining moisture level is below 4%.

Test procedure to determine the dryness (according ASTM D 4263)

- put a PE-plastic foil 1 m x 1 m (40 in x 40 in) on the surface of the applied mortar floor
- tape the perimeter and leave for one day

The curing is complete if there is no water condensation on the foil or a visible color difference between covered and uncovered surface.

#### Application of ceramic tiles on

##### Sikafloor® Marine Elastic:

Ceramic tiles and natural stones can be applied using a cementitious medium-elasticity adhesive.

#### Removal

Excess material can best be removed before curing with a trowel wipe.

Uncured Sikafloor® Marine Elastic may be removed from tools and equipment with water. Once cured, the material can only be removed mechanically. Hands and exposed skin should be washed immediately with water. Use a suitable skin protection hand cream.

### Further information

Copies of the following publications are available on request:

- Safety Data Sheets
- Application Guide Sikafloor® Marine Elastic

### Packaging Information

Bag	20 kg
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### 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.

### Health and Safety Information

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

### Limited Product Warranty

Sika Corporation warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES IMPLIED OR EXPRESS SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Further information available at:  
[www.sikausa.com](http://www.sikausa.com)

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