

PRODUCT DATA SHEET

Sikafloor® Marine Elastic

WATER PROOFING IN SITU APPLIED MEMBRANE FOR INTERIOR DECKS

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base		Polymer modified cement
Color		Grey
Cure mechanism		Hydraulic
Density	mixed	1.5 kg/l
	cured	1.4 kg/l ^B
Mixing ratio	consistency for spatula	4.4 litres
	consistency for roller	6.8 litres
	consistency for brush	5.6 litres
Application thickness	Substrate and climate	5 – 30 °C
Coverage	per 20 kg bag at thickness of 2 mm	13 m ²
Working time (CQP599-9)		45 minutes ^B
Ready to walk on (CQP600-3)	depending on humidity and ventilation	18 hours
Shelf life (CQP600-1)		12 months ^C

CQP = Corporate Quality Procedure

A) 23 °C / 50 % r.h.

B) after 28 days

C) stored in a dry, cool place below 25 °C

DESCRIPTION

Sikafloor® Marine Elastic is a 1-component waterproofing membrane, based on polymer modified cement.

Sikafloor® Marine Elastic is tested according to FTP Code system and approved according to the IMO Marine Equipment Directives.

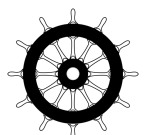
PRODUCT BENEFITS

- Can be applied on humid substrates
- Primer-less application
- Easy application by roller, brush or spatula

AREAS OF APPLICATION

Sikafloor® Marine Elastic is applied in wet areas as a waterproofing layer prior to the application of deck finishing materials such as tiles, natural stones, etc.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.



CURE MECHANISM

Sikafloor® Marine Elastic cures by way of hydraulic curing.

METHOD OF APPLICATION

Surface preparation

The surface has to be clean, free from dust, grease, oils and other substances, which may impair adhesion. In case of strong contamination it might be necessary to grind the surface followed by vacuum cleaning prior to the application of Sikafloor® Marine Elastic.

Mixing process

One bag of Sikafloor® Marine Elastic is mixed with 4.8 to 7.5 liters cold potable water according to the selected application method. The mixing time with a drilling machine and proper mixing paddles is approx. 5 minutes (not higher than 400 rpm).

Ensure the product is mixed homogeneously including bottom and side walls of the mixing bucket.

Application

Sikafloor® Marine Elastic need to be applied twice, usually cross wise.

Apply the mortar with a spatula, short-hair roller or brush. With the spatula, make sure to exert a good compacting pressure on the substrate. The short-hair roller is used for a homogeneous and regular layer where brushes are used for cross applications between the layers.

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

Curing

After application, the finished areas have to be protected against direct heat (e.g. cutting or welding from beneath), sunlight and draught during the curing process for at least 24 hours. Ensure good air ventilation after the first day.

Before Sikafloor® Marine Elastic is covered with dense materials ensure that the remaining moisture level of the underlay is below 4 %.

Test procedure to determine the dryness (according ASTM D 4263): put a PE-plastic foil 1 m x 1 m 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.

Removal

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

Fresh Sikafloor® Marine Elastic may be removed from tools and equipment with water. Once cured, the material can only be removed mechanically.

Exposed hands and skin shall be washed immediately with water. Use a suitable skin protection hand cream.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheet
- Application Manual
Sikafloor® Marine Elastic

PACKAGING INFORMATION

Bag	20 kg
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BASIS OF PRODUCT DATA

All technical data stated in this document 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.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and enduse 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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