

PRODUCT DATA SHEET

Sikafloor® Marine-119

Self-leveling primary deck covering for interior decks

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Polymer modified cement mortar
Colour	Grey
Cure mechanism	Hydraulic
Density	cured 1.8 kg/l
Mixing ratio	per 25 kg bag 4.5 litres
Substrate temperature	5 – 30 °C
Application thickness	3 – 50 mm
Coverage	per 25 kg bag at 1 mm layer thickness 13.5 m ²
Working time (CQP599-9)	40 minutes ^A
Ready to walk on (CQP600-3)	depending on humidity and ventilation 4 hours ^A
Compressive strength (CQP599-2)	27.5 MPa ^B
Flexural strength (CQP599-1)	8.2 MPa ^B
Modulus of elasticity in compression (CQP599-6 / EN 13412)	15 GPa ^B
Linear shrinkage (CQP599-5)	0,04 % ^B
Shelf life	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-119 is a 1-component self-leveling mortar based on polymer modified cement.

Sikafloor® Marine-119 is tested according to FTP Code system and approved according to IMO Marine Equipment Directives.

PRODUCT BENEFITS

- EMICODE EC ^{1PLUS}; very low emission
- Self-levelling
- Rapid hardening
- High level of hardness and strength
- Can be pumped
- One component, ready to mix
- Easily applicable

AREAS OF APPLICATION

Sikafloor® Marine-119 is applied on interior decks, to level the surface prior to the application of deck finishing materials such as: ceramic coverings and bonded sealings, in wet areas, balconies and as a repairing mortar for filling holes and deepenings. It is suitable for application in dry and wet accommodation areas.

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

CURE MECHANISM

Sikafloor® Marine-119 cures by way of hydraulic curing.

METHOD OF APPLICATION

Surface Preparation

For leveling applications, the surface has to be clean, free from dust, grease, oils and other substances, which may impair adhesion. Rust has to be removed with a steel brush or other appropriate means, followed by vacuum cleaning.

The surface has to be primed with a suitable primer (advice on specific primer is available in Application Manual of Sikafloor® Marine Self-leveling mortars.). After drying of the primer, Sikafloor® Marine-119 may be applied.

Sikafloor® Marine-119 applications on aluminum or zinc rich shop primer coated decks, require a tie coat of SikaCor® ZP Primer or another suitable tie coat prior the priming step.

Mixing process

Using a clean receptacle, add Sikafloor® Marine-119 to 4.5 liters of cold clean water to form a homogeneous mixture. The mixing time with a drilling machine and proper mixing paddles is approx. 3 minutes at 400 rpm. Ensure the powder is mixed completely (scrap around the bottom and side walls of the bucket).

Application

Spread Sikafloor® Marine-119 using a suitable tool (surface blade, pinrake) and ventilate using a spike roller. Sikafloor® Marine-119 has to be applied within 40 minutes after mixing. At temperatures above 30 °C the open time will be reduced to 10 minutes or less.

For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

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 12 hours.

Before Sikafloor® Marine-119 is covered with dense materials such as vinyl, epoxy or polyurethane coatings, etc., 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 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 colour difference between covered and uncovered surface.

Removal

Excess material can best be removed before curing with a trowel wipe or water. Fresh Sikafloor® Marine-119 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.

Application Limits

For applications on slooping surfaces > 1 % contact the Technical Department of Sika Industry.

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 Self-leveling Mortars

PACKAGING INFORMATION

Bag	25 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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

DISCLAIMER

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.

PRODUCT DATA SHEET

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