

PRODUCT DATA SHEET

Sikafloor® Marine-130

Lightweight self-leveling primary deck covering mortar for interior decks

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Polymer modified cement mortar
Color	Grey
CURE MECHANISM	Hydraulic
Density	mixed 1.15 kg/l cured 0.9 kg/l
Mixing ratio	per 16 kg bag 6.1 – 6.9 liters
Substrate temperature	5 – 30 °C
Application thickness	3 – 20 mm
Coverage	per 16 kg bag a layer thickness 1 mm 17 m ²
Working time (CQP599-9)	20 minutes ^A
Ready to walk on (CQP600-3)	depending on humidity and ventilation 3 hours ^A
Compressive strength (CQP599-2)	20 MPa ^B
Flexural strength (CQP599-1)	4.5 MPa ^B
Modulus of elasticity in compression (CQP599-6 / EN 13412)	5 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-130 is a 1-component light weight and self-leveling mortar based on polymer modified cement.

Sikafloor® Marine-130 is tested according to FTP Code system and approved according to the IMO Marine Equipment Directives.

PRODUCT BENEFITS

- Light weight leveling mortar
- High strength
- Fast curing
- Easily applicable
- Can be pumped

AREAS OF APPLICATION

Sikafloor® Marine-130 is applied on interior decks, to level the surface prior to application of deck finishing such as: carpet, tiles, parquet, rubber and vinyl. It is suitable for application in wet and dry accommodation areas except for galleys, scullery etc.

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-130 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 Sikafloor® Marine Primer C using a long hair roller. After drying of the Primer, Sikafloor® Marine-130 may be applied.

Sikafloor® Marine-130 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 with Sikafloor® Marine Primer C.

Mixing process

One bag of Sikafloor® Marine-130 is mixed with 6.1 to 6.9 liters of cold potable water. The mixing time with a drilling machine and proper mixing paddles is approx. 3 minutes at low speed. Ensure the powder is mixed completely (bottom and side walls of the bucket). Ensure a homogenous mortar is obtained before application.

Application

Apply the mortar with a steel board or a straight edge. Sikafloor® Marine-130 can also be applied by pinrake.

Sikafloor® Marine-130 has to be applied within 20 minutes after mixing. At temperatures above 30 °C the open time will be reduced to 10 minutes or less. If applied in thickness less than 3 mm the self-levelling capability will be reduced.

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-130 is covered with dense materials such as vinyl, 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 color difference between covered and uncovered surface.

Removal

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

Fresh Sikafloor® Marine-130 may be removed from tools and equipment with water. Once cured, the material can only be removed mechanically.

Hands and exposed skin have to 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-130

PACKAGING INFORMATION

Bag	16 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.

PRODUCT DATA SHEET

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