

## PRODUCT DATA SHEET

# Sikafloor® Marine KG-202 N

Lightweight 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	1.1 kg/l
	cured	0.9 kg/l
Mixing ratio	per 17 kg bag	4.2 – 5.1 liters
Substrate temperature		5 – 30 °C
Application thickness		8 – 100 mm
Coverage	per 17 kg bag at layer thickness 1 mm	18 m <sup>2</sup>
Working time (CQP599-9)		30 minutes <sup>A</sup>
Ready to walk on (CQP600-3)	depending on humidity and ventilation	10 hours <sup>A</sup>
Compressive strength (CQP599-2)		12 MPa <sup>B</sup>
Flexural strength (CQP599-1)		5 MPa <sup>B</sup>
Modulus of elasticity in compression (CQP599-6 / EN 13412)		2.9 GPa <sup>B</sup>
Linear shrinkage (CQP599-5)		0.03 % <sup>B</sup>
Shelf life		12 months <sup>C</sup>

CQP = Corporate Quality Procedure

<sup>A</sup>) 23 °C / 50 % r. h.<sup>B</sup>) after 28 days<sup>C</sup>) stored in a dry, cool place below 25 °C
**DESCRIPTION**

Sikafloor® Marine KG-202 N is a 1-component light weight leveling mortar based on polymer modified cement.

Sikafloor® Marine KG-202 N is tested according to FTP Code system and approved according to the IMO Marine Equipment Directives.

**PRODUCT BENEFITS**

- Lightweight leveling mortar
- Low E-modulus
- One component, ready to mix
- Easy applicable
- Also suitable for sloped surfaces
- Can be pumped

**AREAS OF APPLICATION**

Sikafloor® Marine KG-202 N is applied on interior decks, to level the surface prior to the application of deck finishing materials such as: carpets, tiles, parquet, rubber and vinyl.

It is suitable for application in wet and dry accommodation areas. For wet areas prior to tiles application, the substrate has to be additionally treated with a water resistant membrane (e.g. Sikafloor® Marine Elastic).

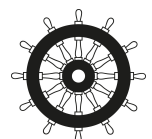
This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

**PRODUCT DATA SHEET**

Sikafloor® Marine KG-202 N

Version 03.01 (07 - 2024), en\_US

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## CURE MECHANISM

Sikafloor® Marine KG-202 N 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 Sikafloor® Marine Primer C, Sikafloor® Marine KG-202 N may be applied.

For wet areas the surface has to be treated with a water resistant membrane (e.g. Sikafloor® Marine Elastic).

Before application of vinyl and carpet coverings, ensure that a thin self levelling mortar such as Sikafloor® Marine 100 is applied to obtain an even floor.

Sikafloor® Marine KG-202 N 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 KG-202 N is mixed with 4.2 to 5.1 liters cold potable water. The mixing time with a drilling machine and proper mixing paddles is approx. 5 minutes (not higher than 400 rpm).

Ensure the powder is mixed completely (bottom and side walls of the bucket).

For larger amounts, it may be mixed with a cement mixer. In any case, ensure a homogenous mortar is obtained before application.

### Application

Apply the mortar with a steel board or a straight edge.

Sikafloor® Marine KG-202 N has to be applied within 30 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 KG-202 N is covered with dense materials such as vinyl, epoxy or polyurethane coatings, etc., ensure that the remaining moisture level is below 4 %. If covered by an epoxy or polyurethane material, a smoothing layer of Sikafloor® Marine-118 FC or -190 may be needed.

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 KG-202 N 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 Trowel-Out Mortars

## PACKAGING INFORMATION

Bag	17 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.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## LEGAL DISCLAIMER

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by contacting SIKA's Technical Service Department via email at [tsmh@us.sika.com](mailto:tsmh@us.sika.com). Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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