

PRODUCT DATA SHEET

Sikafloor® Marine-570

IMO approved self-levelling 2-component polyurethane decorative resin

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Properties	Sikafloor® Marine-570 (A)	Sikafloor® Marine-570 (B)
Chemical base	Polyurethane	Isocyanate
Color (CQP001-1)	Colored	Transparent
	mixed	Brown colors available (see color design chart)
Density	1.5 kg/l	1.2 kg/l
	mixed	1.4 kg/l
Solid content	100 %	
Mixing ratio	by weight 79 : 21	
Application temperature	substrate / climate 15 – 30 °C ^{A, B}	
Shore D hardness (CQP023-1 / ISO 48-4)	67	
Tensile strength (DIN 53504)	20 MPa	
Elongation at break (DIN 53504)	100 %	
Pot-life	10 °C	30 minutes
	20 °C	21 minutes
	30 °C	18 minutes
Shelf life	9 months ^C	12 months ^C

CQP = Corporate Quality Procedure ^{A)} Substrates must be 3 °C above the dew point

^{B)} max. 80 % r.h.

^{C)} stored in sealed container in up-right position in a dry place between 5 and 30 °C, protected from direct sunlight

DESCRIPTION

Sikafloor® Marine-570 is a self-levelling 2-component polyurethane decorative floor resin and part of the Sikafloor® Marine Deco systems.

Sikafloor® Marine-570 has been tested according to FTP Code system and approved according the IMO Marine Equipment Directives.

PRODUCT BENEFITS

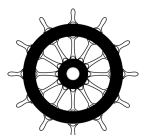
- Good working characteristics
- IMO approved
- Good mechanical resistance
- Very low VOC emission
- Solvent-free (ISO 16001-6)
- Longterm elastic

AREAS OF APPLICATION

Sikafloor® Marine-570 is designed as a component of the Sikafloor® Marine Deco systems. It is designed for mechanical resistant internal flooring in ship and boat construction and as final compound in the Sikafloor® Marine Deco system for interior and exterior use.

This product is suitable for experienced professional users only.

Tests with actual substrates and conditions have to be performed ensuring workability, adhesion and material compatibility.



CURE MECHANISM

The curing of Sikafloor® Marine-570 takes place by a chemical reaction of the two components.

Higher temperatures speed up and lower temperatures slow down the curing process.

CHEMICAL RESISTANCE

For advice contact the Technical Department of Sika Industry.

METHOD OF APPLICATION

Surface preparation

Sikafloor® Marine-570 is installed as a black primary deck covering and/or as floor covering in all colors.

Metallic decks need to be prepared to SA 2.5 (ISO 8501). Aluminum decks must not be shot blasted. The prepared metallic surfaces need to be clean, free of dirt, grease, oil and loose particles before the SikaCor® ZP Primer is applied. Cementitious substrates have to be mechanically prepared to remove laitance.

Clean the surface and ensure a surface moisture content of ≤ 4 % before applying Sikafloor®-150 /-151 primer.

The application area must be protected against weather and direct sunlight.

If IMO is required, get in contact with Sika to choose an appropriate combination of the Sikafloor® Marine Deco system.

Mixing process

Prior to mixing, stir part A. Add part B and mix continuously for 2 minutes until a homogeneous mix has been obtained.

Pour material into another container and mix again for at least 1 minute.

Use double mixing paddles not higher than 300 rpm to minimize air entrapment.

For areas with cambers or slopes between 1 % and 3 % use Sikafloor® Marine Liquid PU Thickener. The dosage is between 1 % and 2 % in weight depending on the actual situation. For areas with higher cambers it may be required to add additional 1 % to 2 % of Sika® Extender T or Aerosil by weight to the mix. Alternatively, it is possible to reduce the layer thickness and apply multiple layers.

Note: By increasing the viscosity de-airing properties can be affected.

Application

Sikafloor® Marine-570 is poured and spread evenly by means of a notched trowel, flat trowel or pin-rake. In critical areas a spike roller can be used to improve levelling and de-airing. For deeper sections (e.g. unevenness), it might be necessary to pre-level these sections. Ensure the pre-leveled sections have achieved "foot traffic" cure level prior to proceeding.

For liquid application on cambers and slopes multiple applications steps may be needed. Curing speed depends on temperature and layer thickness. Always consider the pot life to keep a wet edge.

Prior to application, always consult the most current Application Manual.

Curing

Indications regarding curing details see table below.

Temperature	Foot traffic	Light traffic ^A	Full cure
10 °C	24 hours	48 hours	72 hours
20 °C	18 hours	24 hours	60 hours
30 °C	16 hours	18 hours	48 hours

A) food trolleys and light rolling equipments on soft wheels

Removal

Uncured Sikafloor® Marine-570 can be removed from tools and equipment with Sika® Colma Cleaner or another suitable solvent. Once cured, the material can only be removed mechanically.

Hands and exposed skin shall be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water.

Do not use solvents on skin.

Application limits

Freshly applied Sikafloor® Marine-570 must be protected from moisture, condensation and water for at least 1 days. Uncured material reacts in contact with water (foaming).

STORAGE CONDITIONS

Both components of Sikafloor® Marine-570 have to be kept between 5 °C and 30 °C in a dry place. Do not expose it to direct sunlight. After opening of the packaging, the contents need to be protected against moisture. Minimum temperature during transportation is 5 °C.

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

PACKAGING INFORMATION

Sikafloor® Marine-570 (A)

Container	15.8 kg
-----------	---------

Sikafloor® Marine-570 (B)

Container	4.2 kg
-----------	--------

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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

PRODUCT DATA SHEET

Sikafloor® Marine-570
Version 03.01 (03 - 2023), en_DK
012119015704001000

Sika Danmark A/S
Hirsemarken 5
3520 Farum
Tlf. +45 48 18 85 85
www.sika.dk

