

PRODUCT DATA SHEET

Sikafloor® Marine-579

SELF-LEVELLING 2-COMPONENT POLYURETHANE DECORATIVE RESIN

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Properties	Sikafloor® Marine-579 (A)	Sikafloor® Marine-579 (B)
Chemical base	Polyurethane	Isocyanate
Color (CQP001-1)	Colored	Transparent
	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 7619-1)	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	6 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-579 is a self-levelling 2-component polyurethane decorative floor resin and part of the Sikafloor® Marine Deco systems.

PRODUCT BENEFITS

- Excellent working characteristics
- Good mechanical resistance
- Very low VOC emission
- Solvent-free (ISO 16001-6)
- Permanently elastic

AREAS OF APPLICATION

Sikafloor® Marine-579 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 Teak systems for interior and exterior use.

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

CURE MECHANISM

The curing of Sikafloor® Marine-579 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 on chemical resistance contact the Technical Department of Sika Industry.

METHOD OF APPLICATION

Surface preparation

Sikafloor® Marine-579 is installed on top of the primary deck covering such as Sika® Transfloor-352. In such case the Sika® Transfloor-352 top layer must be sanded and the gloss finish need to be removed.

All dust, loose and friable material must be completely removed from the surface before application of Sikafloor® Marine-579. The application area must be protected against weather to fulfill referenced substrate and climatic conditions.

Mixing process

Prior to mixing both components, stir part A with a proper mixing paddle. Add part B and mix continuously for 3 minutes until a uniform mix has been achieved. To ensure an homogenous mixture pour material into another container and mix again for at least 1 minute.

Mix with mixing paddles not higher than 300 rpm's to minimize air entrapment.

For special areas (i.e. sloped areas) it may required to use quartz sand or Sika® Extender T.

Application

Sikafloor® Marine-579 is poured and spread evenly by means of a notched trowel or pin-rake. In critical areas a spike roller can be used to improve levelling. For deeper sections (e.g. unevenness), it might be necessary to pre-level these in advance and let it cure first before finishing. Always consider the pot life to keep a wet edge.

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

Curing

Indications regarding curing details see table below.

Temperature	Foot traffic	Light traffic	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

Removal

Uncured Sikafloor® Marine-579 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-579 must be protected from damp, condensation and water for at least 5 days. Uncured material reacts in contact with water (foaming).

STORAGE CONDITIONS

Sikafloor® Marine-579 (B) has 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
- Application Manual
Sikafloor® Marine-579

PACKAGING INFORMATION

Sikafloor® Marine-579 (A)

Container	15.8 kg
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Sikafloor® Marine-579 (B)

Container	4.2 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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Sika Hellas ABEE
15 Protomagias Str.
14568 Kryoneri
Attica-Greece
Tel.: +30 210 8160 600
Fax: +30 210 8160 606
www.sika.gr | sika@gr.sika.com

