

PRODUCT DATA SHEET

Sikafloor® Marine PU-Red

Visco-elastic damping compound for interior decks

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Properties	Sikafloor® Marine PU-Red (A)	Sikafloor® Marine PU-Red (B)
Chemical Base	Polyols	Isocyanate derivatives
Color (CQP001-1)	Red	Brown
	mixed	Red
Density	1.3 kg/l	1.2 kg/l
	mixed	1.3 kg/l
Mixing Ratio	by weight 6 : 1	
Coverage	per set of 12 kg at layer thickness 1 mm 9 m ²	
Application Temperature	substrate and climate 5 – 30 °C	
Shore A Hardness (CQP023-1 / ISO 48-4)	55	
Tensile Strength (CQP036-1 / ISO 527)	1.6 MPa	
Elongation at Break (CQP036-1 / ISO 527)	40 %	
Pot-Life	15 minutes ^A	
Shelf Life	12 months ^B	

CQP = Corporate Quality Procedure

^{A)} 23 °C / 50 % r.h.^{B)} stored in a dry, cool place below 25 °C
DESCRIPTION

Sikafloor® Marine PU-Red is a 2-component damping compound which is used in various acoustic floor constructions. Sikafloor® Marine PU-Red has been tested according to FTP Code system and approved according to the IMO Marine Equipment Directives.

PRODUCT BENEFITS

- Very good noise and vibration damping properties
- No shrinkage
- Solvent-free
- Easy to apply

AREAS OF APPLICATION

Sikafloor® Marine PU-Red is used as a noise and vibration damping compound in Sikafloor® Marine constrained visco-elastic systems for interior decks. It can be applied at horizontal as well as on vertical surfaces. It is used in various Sika flooring acoustic and fire-rated systems. This product is only suitable for experienced professional users. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

CURE MECHANISM

Sikafloor® Marine PU-Red cures by chemical reaction between the two components.

METHOD OF APPLICATION

Surface Preparation

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.

Sikafloor® Marine PU-Red applications on aluminum or zinc rich shop primer coated decks, require a tie coat of SikaCor® ZP Primer or another suitable tie coat.

Mixing Process

Prior to mixing both components, stir part A with a proper mixing paddle for 1 minute. 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 to minimize air entrapment.

Application

Pour the mixed Sikafloor® Marine PU-Red on the deck. Do not empty the bucket by put it up-sidedown on the deck. Pour it until almost empty and empty the rest into the component A of the next mix.

Apply the mixed product with an appropriate notched trowel in order to get a layer thickness of 1 – 2 mm. Sikafloor® Marine PU-Red has to be applied within 15 minutes after mixing. At temperatures above 30 °C the open time will be reduced significantly.

If steel plates have to be embedded consult the Application Manual for Sikafloor® Marine PU-Red. In case of vertical application refer to the Application Manual for Sikafloor® Marine PK-90 Steel Vertical.

Do not use Sikafloor® Marine PU-Red at temperature below 5 °C.

Removal

Uncured Sikafloor® Marine PU-Red may be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Once cured, the material can only be removed mechanically.

Exposed hands and skin shall be washed immediately using Sika® Handclean towel or a suitable industrial hand cleaner and 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 Sheets
- Application Manual
Sikafloor® Marine PU-Red

PACKAGING INFORMATION

Sikafloor® Marine PU-Red (A)

Bucket	10.3 kg
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Sikafloor® Marine PU-Red (B)

Can	1.7 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

Sikafloor® Marine PU-Red
Version 04.01 (04 - 2023), en_MY
012119000014001000

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