

# Sikafloor® Marine PU-Red

## Visco-elastic damping compound

Typical Product Data

Properties	Compound A Resin	Compound B Hardener
Chemical base	Pigmented Polyols	Isocyanate derivatives
Viscosity (CQP <sup>1</sup> 001-1) (Brookfield 6/20, 23°C)	20 Pa·s	120 Pa·s
Colour	Red	Brown
Color mixed	Red	
Density	1.3 kg/l	1.2 kg/l
Density mixed	1.3 kg/l	
Mixing ratio (weight)	6	1
Coverage per 14 kg set (layer thickness 1 mm)	10.6 m <sup>2</sup>	
Shore A (CQP 023-1)	55	
Open time <sup>2</sup>	15 min.	
Ready to walk on (CQP 600-3)	8 - 10 hours	
Tensile strength (CQP 036-1 / ISO 527)	1.6 MPa	
Elongation at break (CQP 036-1 / ISO 527)	43 %	
Substrate temperature	5 - 40 °C	
Shelf life    Stored in a cool, dry place below 25 °C (75 °F)	12 months	

<sup>1)</sup> CQP = Corporate Quality Procedure

<sup>2)</sup> 23 °C / 50 % r.h.

**Description**

Sikafloor® Marine PU-Red is a two component damping compound. Sikafloor® Marine PU-Red is manufactured in accordance with ISO 9001 / 14001 quality assurance and tested according to FTP Code system and approved according to the IMO Marine Equipment Directives.

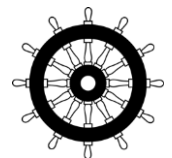
**Product Benefits**

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

**Areas of Application**

Sikafloor® Marine PU-Red is used as a noise and vibration damping compound in Sikafloor® Marine constrained visco-elastic systems. It can be applied in horizontal as well as in vertical position. In addition it can be used as vibration damping compound for different deck systems. In such cases contact the Technical Department of Sika Industry.

This product is suitable for professional experienced users only. Tests with actual substrates and conditions have to be performed to ensure 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, oil and other substances, which may impair the adhesion. Rust has to be removed with a steel brush or other appropriate means, followed by vacuum cleaning.

For the Sikafloor® Marine PU-Red application on aluminum or zinc rich shop primer coated decks, a tie coat of SikaCor® ZP Primer or another suitable tie coat is required.

For further information contact the Technical Department of Sika Industry.

#### Mixing

One set Sikafloor® Marine PU-Red consists of PU-Red base (12 kg) and PU-Red hardener (2 kg).

The bucket of Sikafloor® PU-Red Base is used for mixing the 2 components. Use a power drill with the appropriate blender accessories. One bucket of base must be used with one can of hardener. Mix the components for 3 minutes. Ensure that the components are mixed completely (bottom and side walls of the bucket).

The prepared compound must be used within approx. 15 min. at 20 °C.

### Application

Pour the mixed Sikafloor® Marine PU-Red on the surface. Do not empty the bucket by put it up-side-down on the deck. Pour it until almost empty and empty the rest into the base of the next mix. Use a 2 mm notched trowel to end up with a layer thickness of 1 mm.

In case of the embedding metal plates consult the PDS for Sikafloor® Marine PK-90 Steel or PK-90 Alu.

In case of vertical application refer to the Application Guide for Sikafloor® Marine PK-90 Steel Vertical. If necessary after hardening, excess material can be removed with a vibration blade.

### Application limits

Do not use the product 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 should be washed immediately using Sika® Handclean towel or a suitable industrial hand cleaner and water. Use a suitable skin protection hand cream.

### Further Information

Copies of the following publications are available on request:

- Safety Data Sheets

Application guide:

- Sikafloor® Marine PK-90 Steel Vertical

- Sikafloor® Marine PK-90 Steel

- Sikafloor® Marine PK-90 Alu

- Sikafloor® Marine PK-90 N

### Packaging Information

Bucket (Base)	12 kg
Can (Hardener)	2 kg

### Bases of Product Data

All technical data stated in this Product Data Sheet 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 end-use 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.

Further information available at:  
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