

# Sikafloor® Marine PU-Red

## Visco-elastic damping compound

### Technical 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
Colour mixed	Red	
Density	1.3 kg/l approx.	1.2 kg/l approx.
Density mixed	1.3 kg/l approx.	
Mixing ratio (weight)	6	1
Shore A (CQP 023-1)	55	
Open time <sup>2</sup>	15 min.	
Hardening time <sup>2</sup> (hard to walk on)	8 - 10 hours	
Tensile strength (CQP 036-1/ISO 527)	1.6 MPa approx.	
Elongation at break (CQP 036-1/ISO 527)	43% approx.	
Application temperature (substrate)	5 - 40°C (40 - 104°F)	
Shelf life and storage conditions <sup>2</sup>	12 months	

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

<sup>2)</sup> 23°C (73°F) / 50% r.h.

#### Description

Sikafloor® Marine PU-Red is a two component damping compound for acoustical applications.

Sikafloor® Marine PU-Red meets the requirements set out by the International Maritime Organisation (IMO). Sikafloor® Marine PU-Red is manufactured in accordance with ISO 9001 / 14001 quality assurance.

#### Product Benefits

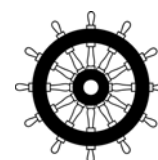
- Excellent acoustical and vibration damping properties
- Easy to apply
- No shrinkage
- Solvent-free
- Wheel Mark

#### Areas of Application

Sikafloor® Marine PU-Red is used as a noise and vibration damping compound in Sikafloor® Marine constrained visco-elastic systems and in visco-elastic floating floors.

In addition it can be used as vibration damping compound for wooden decks. It can be applied in horizontal as well as in vertical position.

This product is suitable for professional experienced users only.



### Cure Mechanism

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.

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

For further information please contact the Technical Service Department of Sika Industry.

#### Mixing

One set Sikafloor® Marine PU-Red consists of:

- PU-Red Base (6 kg)
- PU-Red Hardener (1 kg)

The components are mixed in the bucket containing Sikafloor® PU-Red Base. 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 the 2 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 completely, but put the last 5% into the following mix.

Use a 2 mm toothed paste spreader, to end up with a layer thickness of 1 mm.

One unit of 7 kg results in approx. 5.3 m<sup>2</sup> of applied product in 1 mm thickness. In case of the embedding of metal plates, this has to be done when Sikafloor® Marine PU-Red is still liquid (for example Sikafloor® Marine PK-90 Steel or PK-90 Alu).

If necessary after hardening, the squeezed out material can be removed with a vibration blade.

For vertical application, please refer to the application guide Sikafloor® Marine PK-90 steel vertical.

#### 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.

Hands and exposed skin should be washed immediately using Sika® Handclean Towel or a suitable industrial hand cleaner and water. Do not use solvents!

### Further Information

Copies of the following publications are available on request:

- Material 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)	6 kg
Can (Hardener)	1 kg

### Value Bases

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 Material Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

### Legal Notes

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.

