

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 ¹ 001-1) (Brookfield 6/20, 23°C)	20 Pa·s	120 Pa·s
Color	Red	Brown
Color mixed	Red	
Density	1.3 kg/l (10.8 lb/gal)	1.2 kg/l (10.0 lb/gal)
Density mixed	1.3 kg/l (10.8 lb/gal)	
Mixing ratio (weight)	6	1
Coverage per 14 kg set (layer thickness 1 mm (0.04 in))	10.6 m ² (114 ft ²)	
Shore A (CQP 023-1)	55	
Open time ²	15 min.	
Ready to walk on (CQP 600-3)	8 - 10 hours	
Tensile strength (CQP 036-1 / ISO 527)	1.6 MPa (230 psi)	
Elongation at break (CQP 036-1 / ISO 527)	43%	
Substrate temperature	5 - 40° C (40 - 104° F)	
Shelf life	Stored in a cool, dry place below 25° C (77° F) 12 months	

¹⁾ CQP = Corporate Quality Procedure

²⁾ 23°C (73° F) / 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.

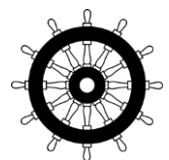
- Excellent noise and vibration damping properties
- Easy to apply
- No shrinkage
- No solvent added

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 positions. In addition it can be used as a 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.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, label and Safety Data Sheet, which are available on request at tsmh@us.sika.com. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product as set forth in the current Product Data Sheet, label and Safety Data Sheet prior to product use.

Industry



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 decks coated with a zinc rich shop primer, a tie coat of SikaCor® ZP Primer or another suitable tie coat is required.

For further information contact the Technical Department of Sika Industry at tsmh@us.sika.com.

Mixing

One set of Sikafloor® Marine PU-Red consists of a 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 (68° F).

Application

Pour the mixed Sikafloor® Marine PU-Red on the surface. Use a 2 mm (0.08 in) notched trowel to end up with a layer thickness of 1 mm (0.04 in).

In the case of embedding metal plates or vertical applications, contact the Technical Department of Sika Industry.

Application limits

Do not use the product below 5° C (40° F).

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 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

Packaging Information

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

Basis 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.

Limited Product Warranty

Sika Corporation warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **NO OTHER WARRANTIES IMPLIED OR EXPRESS SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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Further information available at:
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