

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 (CSQP) ¹⁾ 001-1) (Brookfield 6/20, 23°C)	20 Pa-S	
Viscosity mixed		
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 (CSQP 023-1)	55	
Open time (standard)	15 min. (can be varied according to environmental conditions)	
Hardening time (hard to walk on)	8-10 hours at 23°C	
Tensile strength (CSQP 036-1/ISO 527)	1,59 MPa	
Elongation at break (CSQP 036-1/ISO 527)	43%	
Application temperature / relative humidity	> 5°C	
Shelf life and storage conditions	12 months Storage condition: dry. Temperature: 10 - 30°C	

¹⁾ CSQP = Corporate Sika Quality Procedure

Description

SikaFloor® Marine PU-Red is a two component damping compound for acoustical applications. This product is manufactured in accordance with ISO 9001 and ISO 14001 quality assurance systems.

Product Benefits

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

Certificates/approvals

- Meets the regulations as stipulated by the International Maritime Organisation (IMO),
- United States Coast Guard.

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.

Industry



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.

It is recommended, that aluminium surfaces are grinded in order to improve the adhesion between the product and aluminium.

Mixing

One set SikaFloor® Marine PU-Red consists of:

- PU-Red Base:
1 bucket of 4,2kg.
- PU-Red Hardener:
1 can of 0,7 kg.

The components are mixed in a large bucket (the bucket containing SikaFloor® PU-Red base) using a power drill with the appropriate blender accessories. The base and the hardener quantities are measured - one bucket of base must be used with one can of hardener.

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

Application

Pour the content on the surface. Do not empty the bucket completely, but put the last 5% into the next mix.

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

Practically one unit of 4,9 kg results in approx. 3.3 m² of applied product. 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 Technical data sheet of the corresponding SikaFloor® Marine system and contact Sika Danmark A/S.

Application limits

Do not use the product below 5°C.

Further information

Copies of the following publications are available on request:

- Material safety Data Sheet
- Application instruction

Packaging information

Bucket	Base	4,2 kg
Can	Hardener	0,7 kg

Important

For information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheet, containing physical, ecological, toxicological and other safety related data.

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