

# Sika® Deck Compound

## Underlayment self-levelling compound

### Technical Product Data

Properties	Component A Liquid	Component B Powder
Chemical base	Copolymer dispersion	Cement
Aspect	White liquid	Grey powder
Cure mechanism	Hydraulic	
Density cured <sup>1)</sup>	1.8 kg/l approx.	
Mix ratio	1 : 4.5 by weight	
Consistency mixed	Self-levelling mix	
Application temperature	5 - 35°C (41 - 95°F)	
Coverage (per mm layer thickness) per set	18 m <sup>2</sup> approx.	
Working time <sup>2)</sup>	30 minutes approx.	
Application thickness	3 – 20 mm	
Walkable <sup>2)</sup>	At least after 3 hours	
Drying time <sup>2)</sup>	24 hours approx.	
Compressive strength <sup>1)</sup>	Min 30 MPa	
Flexural strength <sup>1)</sup>	5 MPa approx	
Storage	Store in packaging in a cool, dry place below 25°C (75°F)	
Shelf life	9 months	6 months

<sup>1)</sup> Applied mortar, after 7 days

<sup>2)</sup> 30°C (86°F) / 68% r.h.

#### Description

Sika® Deck Compound is a 2-component self-leveling mortar based on polymer modified cement used for underlayment or to level the surface prior to the application of floor covering material.

Sika® Deck Compound is manufactured in accordance with ISO 9001 / 14001 quality assurance.

#### Product Benefits

- self-leveling, easy to apply
- short drying time
- early subjection to strain
- high surface strength
- water resistant

#### Areas of Application

Sika® Deck Compound is applied inside ships on concrete and steel, to level the surface prior to the application of deck finishing materials, such as carpets, tiles, parquet, rubber and vinyl.

It is suitable for application in dry and wet areas.

Sika® Deck Compound cannot be applied directly on zinc-rich shop-primed surface, aluminum or galvanized steel. For further information please contact the Technical Service 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.

Industry



### Cure Mechanism

Sika® Deck Compound cures with water. The curing time to allow walking on it is 3 hours under normal conditions.

Sika® Deck Compound must be hard and completely dry before finishing materials are applied. Make sure that residual humidity is compatible with the deck finishing material.

### Method of Application

#### Surface preparation

The surface has to be clean, free from dust, grease, oils and other substances, which may impair the adhesion. The whole surface has to be primed with Sika® Deck Primer using a brush or roller. After drying of the primer, mixing of Sika® Deck Compound may be applied.

#### Mixing process

One bag of 22.5 kg of Sika® Deck Compound component-B is mixed with one pail of 5 kg of Sika® Deck Compound component-A in an agitator mixer until a lump-free, homogenous and an easy flowing consistency mortar is reached. Mixing time is 3 until 5 minutes. After get optimum consistency, stop mixing process to avoid excess air entrapment.

#### Application

Sika® Deck Compound is self-leveling mixture and should be evenly spread with suitable trowel to remove entrapped air and to obtain an even layer thickness. The mix has to be applied within maximum 45 minutes after mixing. At temperatures above 30°C the working time until the mortar is applicable will be reduced to 15 minutes or less.

To achieve thickness more than 20 mm, 2<sup>nd</sup> layer of Sika® Deck Compound could be applied.

#### Curing

After application, the finished areas should be protected against direct heat, sunlight and draught during the curing process for at least one day after application.

Apply final covering only when the area is dry (uniform light grey as-

pect). This may take at least 24 hours, depending on environmental conditions (temperature, humidity, and ventilation) and layer thickness. For dense materials such as vinyl, epoxy coatings, etc., the remaining moisture in Sika® Deck Compound has to be less than 4%.

#### Test procedure to determine the required level of dryness

- put a PE-plastic foil of about 1 m<sup>2</sup> on the surface of the applied floor
- tape the perimeter and leave for one day

The curing is complete if there is no water condensation on the foil or a visible colour difference between covered and uncovered surface.

#### Removal

Excess material can best be removed before curing with a trowel wipe. Unhardened Sika® Deck Compound may be removed from tools and equipment with water. Once cured, the material can only be removed mechanically. Exposed hands and skin should be washed immediately with water. Use a suitable skin protection cream.

### Further information

Copies of the following publications are available on request:

- Material Safety Data Sheet
- Application Guide Sika® Deck Compound
- PDS Sika® Deck Primer

### Packaging Information

Bag	Sika® Deck Compound Comp. B (Powder)	22.5 kg
Jerry Can	Sika® Deck Compound Comp. A (Liquid)	5 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.

Further information available at:  
[www.sika.co.id](http://www.sika.co.id)

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