

SikaFloor®-Marine 18

Primary Deck Covering and Constraining Layer

Technical Product Data

Chemical base	Cement
Colour	Grey
Cure mechanism	Hydrolysis
Density mixed	1.8 kg/l approx. (cured, after 7 days)
Mixing ratio (cold, fresh water)	3 litres per 25kg bag
Application temperature	5°C to 30°C
Maximum applied thickness	50mm
Pot life	15 min. approx. (at 20°C)
Consumption	15m ² at 1mm (per 25kg bag)
Withstand light foot traffic	24 hours (at 20°C)
Shelf life (dry storage below 25°C)	9 months

Industry

Description

SikaFloor®-Marine 18 may be used as an underlay for deck finish materials or in constrained visco-elastic systems.

It consists of a dry mortar mix, ready to be used by mixing with water.

SikaFloor®-Marine 18 is manufactured in accordance with ISO9001/14001 quality assurance system and the responsible care program.

Product Benefits

- One component
- Easy application and finishing on large surfaces

Areas of Application

This mortar may be 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 can also be used as the constraining layer of a constrained visco-elastic system.

It is suitable for application in all types of accommodation areas.

For use on zinc or aluminium (including anti-corrosion primers containing zinc or aluminium) please contact Sika Denmark.

This product is suitable for professional experienced users only. Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.



Cure Mechanism

SikaFloor®-Marine 18 cures with water. The curing time to allow walking on it is approximately 24 hours after the application at 20°C. However, cure time is dependent upon the thickness of applied layer, temperature, relative humidity and ventilation of the working area. SikaFloor®-Marine 18 must be hard and completely dry prior to the application of dense finishing materials such as vinyl, rubber etc.

Method of Application

Surface preparation

The surface has to be clean, free from dust, grease, oils and other substances which may impair the adhesion. It is recommended that the whole surface is primed with SikaFloor®-Marine Primer C

Advice on specific applications is available from the Technical Service Department of Sika Denmark.

Mixing Process

One bag SikaFloor® Marine 18 is mixed with approximately 3 litres of cold, fresh water. The mixing time is approximately 3 minutes at low speed until an homogenous mortar is obtained.

Avoid formation of air bubbles.

Application

Apply the mortar with a steel trowel.

The compound has to be applied within approximately 15 minutes at 20°C.

Curing

After application, the finished areas should be protected against direct heat, sunlight and draughts during the curing process.

It is recommended to cover the area with plastic sheet at temperatures below 5°C, above 20° or if the relative humidity is below 65%.

The plastic sheet should be removed after 2 days.

Removal

Excess material can best be removed before curing with a trowel wipe. Unhardened SikaFloor® Marine 18 may be removed from tools and equipment with water. Once cured, the

material can only be removed mechanically. Hands and exposed areas should be washed with soap and water.

Use a suitable skin protection cream.

Important!

SikaFloor®-Marine 18 must not be exposed to moisture or freezing conditions before attaining full cure.

For additional technical information please contact Technical Service Department of Sika Denmark.

Further Information

Copies of the following publications are available on request:

- Material Safety Data Sheets
- SikaFloor®-Marine Primer C

Packaging Information

Bag	25kg
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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 should 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:

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