

SikaFloor Marine® S-110

Lightweight self leveling compound

Technical Product Data

Properties	
Chemical base	Polymer modified mortar
Colour	Grey
Cure mechanism	hydraulic
Density cured	0,9 kg/l approx.
Mixing ratio with water (by weight)	10 : 4,25 to 10 : 4,5
Part of fresh cold water per packaging unit (20 kg bag)	Maximum 9 litres
Consistency mixed	Self levelling mix
Application ¹⁾ temperature	5-30°C
Consumption (practical) per bag of 20 kg	21 m ² at 1 mm thickness
Open time ¹⁾	15 min approx.
Walkable after ¹⁾	6-8 hours
Dry after	At least 24 hours
Maximal applied thickness	10 mm
Compressive strength	15 MPa approx.
E-Modulus	4400 MPa approx.
Shelf life and storage ²⁾	6 months

¹⁾ +23°C (73°F) / 50% r.h.

²⁾ stored at temperature below 25°C (77°F) in a dry protected area

Description

SikaFloor Marine S-110 is a one component self levelling mortar, based on polymer modified cement.

This product is manufactured in accordance with ISO 9001 and ISO 14001 quality assurance systems.

Product Benefits

- Lightweight levelling compound
- Self levelling, easy to apply
- One component, just mix with water

Certificates/Approvals

- Wheel-Mark
- United States Coast Guard
- Major authorities and classification societies.

Areas of Application

This self levelling mortar 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 all kind of dry accommodation areas. For wet areas, please contact Sika Danmark for further information. SikaFloor Marine S-110 cannot be applied directly on zinc-rich shop primed surface, aluminium or galvanised steel. In such case, contact Sika Danmark.

Industry



Cure Mechanism

SikaFloor Marine S-110 cures with water. The curing time to allow walking on it is 6-8 hours under normal conditions. SikaFloor Marine S-110 must be hard and completely dry before finishing materials are applied. This takes at least one day.

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 our water based SikaFloor Marine Primer-C. After the drying of the primer, SikaFloor Marine S-110 may be applied.

Mixing process

One bag of 20 kg of SikaFloor Marine S-110 is mixed with 8,5 to 9 litres of cold fresh water to produce an easy flowing mortar. Mix the compounds thoroughly in an agitator mixer with fixed vessel or with a power drill with appropriate blender accessories.

Application

Apply the mortar with a Linotol trowel (steel board). SikaFloor Marine S-110 is self levelling and should be applied as thin as possible. The mix has to be applied within max. 15 minutes. At temperatures above 25°C, the application time will be reduced to approx. 10 minutes.

Curing

After application, the finished areas should be protected against direct heat, sunlight and draft during the curing process, but at least one day after application. Apply final covering only when the area is dry (uniform light grey aspect). For dense materials as vinyl, epoxy coatings, etc., the remaining moisture in SikaFloor Marine S-110 has to be less than 4%.

Removal

Excess material can best be removed before curing with a trowel wipe. Unhardened SikaFloor Marine S-110 may be removed from tools and equipment with water. Once cured, the material can only be removed mechanically. Hands and exposed skin should be washed with water. Use a suitable skin protection cream.

Further information

Copies of the following publications are available on request:

- Material Safety Data Sheet
- Technical Data Sheet SikaFloor Marine Primer-C

Packaging Information

Bag	20 kg
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Important

The materials may not be exposed to moisture and freezing temperatures. The applied compound S-110 may not be exposed to freezing temperature, heat, sunlight and draft, before being fully cured.

Notice:

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