

Technical Data

Sikafloor® Marine-100

Properties	One component self-levelling mortar
Chemical base	Polymer modified mortar
Colour	Gray
Cure mechanism	Hydraulic
Density cured (dry)	0.95 kg/l approx.
Mixing ratio with water (by weight)	10 : 4.2 – 10 : 4.6
Part of fresh cold water per packaging unit (15 kg bag)	On average 6.8 liters
Consistency mixed	Self-levelling mix
Application ¹⁾ temperature (substrate)	5 – 35 °C (40 – 95 °F)
Consumption (practical) per bag of 15 kg	Ca. 15 m ² at 1 mm thickness
Open time ¹⁾	Ca. 20 min.
Walkable after ¹⁾	10 – 12 hours
Dry after	At least 24 hours
Applied thickness	3 – 10 mm
Compressive strength	≥ 5 MPa approx.
E-Modulus	1,95 GPa approx.
Self life and storage ²⁾	12 months

¹⁾ CQP = Corporate Quality Procedure

²⁾ 23 °C (73 °F) / 50% r.h.

Sikafloor® Marine-120

Properties	One component self-levelling mortar
Chemical base	Polymer modified mortar
Colour	Gray
Cure mechanism	Hydraulic
Density cured (dry)	0.95 kg/l approx.
Mixing ratio with water (by weight)	10 : 3.7 – 10 : 4.1
Part of fresh cold water per packaging unit (20 kg bag)	On average 8 liters
Consistency mixed	Self-levelling mix
Application ¹⁾ temperature (substrate)	5 – 35 °C (40 – 95 °F)
Consumption (practical) per bag of 20 kg	Ca. 20 m ² at 1 mm thickness
Open time ¹⁾	Ca. 20 min.
Walkable after ¹⁾	10 – 12 hours
Dry after	At least 24 hours
Applied thickness	3 – 30 mm
Compressive strength	≥ 6,5 MPa approx.
E-Modulus	2,53 GPa approx.
Self life and storage ²⁾	12 months

¹⁾ CQP = Corporate Quality Procedure

²⁾ 23 °C (73 °F) / 50% r.h.



Sika Worldwide



Sika is a globally active company supplying the specialty chemicals markets. It is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting load-bearing structures in construction (buildings and infrastructure construction) and in industry (vehicle, building component and equipment production).

Sika's product lines feature high-quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring and membranes. Subsidiaries in more than 70 countries worldwide and approximately 12,000 employees link customers directly to Sika.



Sikafloor® Marine-100 and -120 Self-levelling Compound



Our most current General Sales Conditions shall apply.
Please consult the most current local Product Data Sheet prior to any use.

www.sika.com



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Sikafloor® Marine-100 and -120

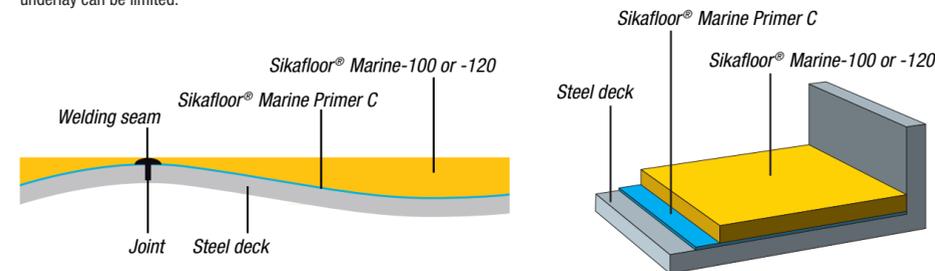
Self-levelling Mortar

The global marine industry is a fast moving arena where innovations in construction methods are rapidly adapted to gain an edge on competitors. Manufacturers are looking for quicker and more consistent building techniques and ever reduced costs while designers want improved and innovative appearance, lower weight and better performance.

Sika, as supplier and partner to the marine manufacturing industry, provides a range of state of the art technology solutions to assist ship builders in meeting these challenges.

Product Description

To be able to give the applied carpets, vinyl, tiles, etc. a perfect smooth look, it is important that the underlay has a smooth surface. Sometimes the building height as well as the weight of the total underlay can be limited.



In addition to finish other Sikafloor®-systems, the Sikafloor® Marine-100 and Sikafloor® Marine-120 (after priming with Sikafloor® Marine Primer C) can be applied on top of existing hard foundations such as concretes and steel.

For use on zinc, aluminium and anti-corrosion primers containing free zinc and aluminium, please contact your local Sika company.

Application Steps for Sikafloor® Marine-100 and -120



1 Priming of steel deck with Sikafloor® Marine Primer C

2 Mixing of Sikafloor® Marine-100 or -120

3 Application of Sikafloor® Marine-100 or -120

4 Final floor

Sikafloor® Marine-100

Sikafloor® Marine-100 is a lightweight self-levelling compound used for interior decks, before applying finish materials such as carpets, vinyl, tiles, ect. Sikafloor® Marine-100 is a one component self-levelling compound used in all types of dry accommodation areas in layers from 3 to 10 mm. When the Sikafloor® Marine-100 is cured the smooth surface is ready for application of the top layer after slightly grinding if necessary. The self-levelling mortar has a good flexibility (e-modulus) which is important for avoiding cracks due to stress in the surface.

Technological Benefits

- 1-component self-levelling lightweight (density 0,95g/cm³)
- Can be applied in the thickness from only 3 and up to 10 mm giving a very smooth surface that, if necessary, only needs slightly grinding
- Can be applied in dry areas (interior decks)
- Very flexible with an E-modulus of 1,95GPa
- The compressive strength is above 5MPa
- Fast curing and walkable after 10-12 hours
- Extended shelf life of 12 months



Certificates

Sikafloor® Marine-100 has been approved according to the IMO-regulation and carries the Wheelmark and the United States Coast Guard.



Sikafloor® Marine-120

Sikafloor® Marine-120 is a lightweight self-levelling compound used for interior decks, before applying finish materials such as carpets, resin floors, tiles, ect. Sikafloor® Marine-120 is a one component self-levelling compound used in all types of dry as well as wet accommodation areas in layers from 3 to 30mm. When the Sikafloor® Marine-120 is cured the smooth surface is ready for application of the top layer after slightly grinding if necessary. The self-levelling mortar has a good flexibility (e-modulus) which is important for avoiding cracks due to stress in the surface.

Technological Benefits

- 1-component self-levelling lightweight (density 0,95g/cm³)
- Can be applied in the thickness from only 3 and up to 30 mm giving a smooth surface that, if necessary, only needs slightly grinding
- Can be applied in dry as well as wet areas (interior decks)
- Very flexible with an E-modulus of 2,53GPa
- The compressive strength is above 6,5MPa
- Fast curing and walkable after 10-12 hours
- Extended shelf life of 12 months



Certificates

Sikafloor® Marine-120 has been approved according to the IMO-regulation and carries the Wheelmark and the United States Coast Guard.

