Sikafloor® Marine Litosilo N

Sound reducing floating floor for A 60 constructions

Technical Product Data

Chemical base		Polymer modified cement mortar
Colour		Grey
Cure mechanism		Hydraulic
Mixing ratio with cold, potable water	per 20 kg bag	4.6 - 5.4 litres
Density fresh mixed (CQP[1] 599-3)		1.4 g/cm³ approx.
Density cured[2] (CQP 599-4)		1.3 g/cm³ approx.
Substrate temperature		5 - 35 °C
Application thickness		25 - 50 mm
Coverage per 20 kg bag (layer thickness 1 mm)		15 m² approx.
Working time[3] (CQP 599-9)		20 minutes approx.
Ready to walk on[3] (CQP 600-3)	depending on humidity and ventilation	16 hours approx.
Compressive strength[4] (CQP 599-2)		20 MPa approx.
Flexural strength[4] (CQP 599-1)		4 MPa approx.
Modulus of elasticity in compression[4] (CQP 599-5)		7.4 GPa approx.
Linear shrinkage[4] (CQP 599-5)		0.02 % approx.
Shelf life (CQP 600-1) Stored in a cool, dry place below 25 °C		12 months

[1] Corporate Quality Procedure   [2] After 7 days   [3] 23 °C / 50 % r.h.   [4] After 28 days

Description

Sikafloor® Marine Litosilo N is a one component medium weight leveling mortar based on polymer modified cement with excellent flame resistance.

Sikafloor® Marine Litosilo N is manufactured in accordance with ISO 9001 / 14001 quality assurance and tested according to FTP Code system and approved according to the IMO Marine Equipment Directives.
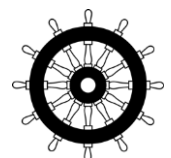
Product Benefits

- Magnesium chloride free
- Low E-modulus
- One component, ready to mix
- A-60 combination with minimum 20 mm SeaRox 436 SL
- Can be pumped

Areas of Application

Sikafloor® Marine Litosilo N is applied on interior decks, as a sound reducing floating floor prior to the application of deck finishing materials such as: carpets, tiles, parquet, rubber and vinyl.

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

Sikafloor® Marine Litosilo N cures by way of hydraulic curing.

Method of Application

Surface preparation
Prior to application of the SeaRox 436 SL all big items needs to be removed from the surface.

Mixing process
One bag of 20 kg Sikafloor® Marine Litosilo N is mixed with 4.6 to 5.4 litres cold, potable water. The mixing time is approx. 3 minutes at low speed (with drilling machine) or with a cement mixer for larger amounts until a homogenous mortar is obtained. If mixed by hand ensure the powder is mixed completely (bottom and side walls of the bucket).

Application
Apply the mortar with a steel board or a straight edge.
Sikafloor® Marine Litosilo N has to be applied within 30 minutes after mixing. At temperatures above 35 °C the open time will be reduced to 10 minutes or less.
For advice on selecting and setting up a suitable pump system please contact the System Engineering Department of Sika Industry.

Curing
After application, the finished areas should be protected against direct heat (e.g. cutting or welding from beneath), sunlight and draught during the curing process for at least one day after application.

Before covering Sikafloor® Marine Litosilo N with dense materials such as vinyl, epoxy coatings, etc., ensure that the remaining moisture level is below 4 %.
Test procedure to determine the dryness (according ASTM D 4263)
- put a PE-plastic foil 1 m x 1 m on the surface of the applied mortar 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 color difference between covered and uncovered surface.

Removal
Excess material can best be removed before curing with a trowel wipe.
Uncured Sikafloor® Marine Litosilo N 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 hand cream.

Further information

Copies of the following publications are available on request:
- Safety Data Sheet
- Application Guide Sikafloor® Marine Litosilo N

Packaging Information

Bag	20 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 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.