Hydromagsil (HDM 1.3) Floating Floor (A60)

Floating and sound reduction floor

Product description

HDM 1.3 is a magnesium based, plastic reinforced, self levelling and pumpable cement. HDM 1.3 brings cover-able floating floors in one work-out. Can be used in all types of dry accommodation areas.

Surface preparation

Before application of HDM 1.3 make sure that the steel deck is straight, otherwise levelling of the steel deck is necessary. If the steel deck is straight SeaRox slabs are placed on the steel deck and careful insulation along the perimeterr and all edges is done using DMS foam tape or stripes of SeaRox where A-60 floor is required, on top of the SeaRox slabs. It is very important that all steel (pipe-penetrations, foundations, etc.) is insulated. HDM 1.3 must never be in direct contact with steel.

Mixing

3 kg of HDM 1.3 Salt Flakes is, by vigorously stirring, dissolved in approx. 4,5 litres of clean cold water. This saltwater is then mixed with one bag of HDM 1.3 Flooring Compound (25 kg), by vigorously stirring, to a smooth, easy-flowing mortar.

Application

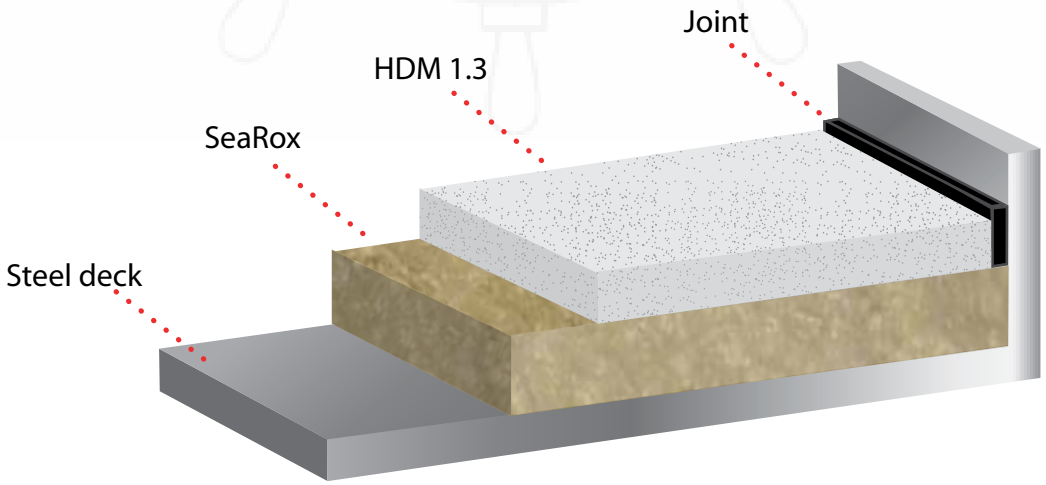
SeaRox SL436 slabs in a minimum thickness of 30 mm must be applied on the steel deck. HDM 1.3 compound must then be applied in a thickness of minimum 25 mm directly on top of the SeaRox SL436 slabs. Depending on the working conditions, trowel or pump can be used. After application of HDM 1.3 the compound must be protected against strong, direct heat and sunlight and draught must be avoided. Hydromagsil should not be exposed to freezing temperatures (Recommended curing temperatur is min. 5°C).

Curing / dehydration

At +20°C and 85 % relative humidity the compound will cure after 48-72 hours, curing times depend on the thickness of the applied layer, relative humidity and ventilation at the working area. The compound must be fully dry before covering (the moisture has to be < 5 % by weight).

Application of top layer

For application of carpet it is advisable with a light sanding down of the surface. Carpet should not be applied until after 5-6 days. For application of vinyl etc. HDM 1.3 should be primed (DMS Primer 54) and given top layer with for e.g. BL 2000 can be used.



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Technical description

Basis	Magnesium and synthetic polymer
Colour	Light grey
Density	Approx. 1,4 kg/mm/m^2 (applied)
	(SeaRox SL436-30 mm approx. 0,14 kg/mm/ m^2)
Thickness of HDM 1.3	Minimum 25 mm
Thickness of SeaRox SL436	Minimum 30 mm
Pot life	Approx. 30-50 minutes at 20°C and 85 % RH
Curring time	Setting time for walking, approx. 24-36 hours.
	Ready for covering after 48-72 hours at 20°C in a minimum thickness of 25 mm
Flow ability after SS 923519	100 mm
Recommended application temperature	Between +5°C and +35°C
Bending tear strength EN 13892-2	6,7 MPa
Compression strength EN 13892-2	28,8 MPa

Packaging

- 3,6 m2 packages - SeaRox SL46-30 mm
- 25 kg bags - HDM 1.3 Compound
- 25 kg bag - HDM 1.3 Salt Flakes

Cleaning

Use water to clean the tools before the compound is cured.

Shelf-life

SeaRox SL436:	No limit
HDM 1.3 Compound:	Min. 12 months in unopened packaging
HDM 1.3 Salt Flakes:	Min. 12 months in unopened packaging

Storage

In dry conditions, do not expose to moisture and freezing temperature.

For additional technical information, please contact our technical department.

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