

Characteristics & Specification Data

Description	HI EP Floor Screed is a three-component Solvent free mortar/repair system.
Characteristics	Provides good adhesion and elasticity.
Area of application	HI EP Floor Screed is designed to correct/fill up steel before application of coating on platforms and shipdecks.
Color	Clear
Finish	N.A.
Substrate	Can be applied to clean surfaces of epoxy.
Recoatability	Can be overpainted with most epoxies.
Dry Film Thickness	N.A.
Wet Film Thickness	N.A.
Solids Content	100%
Theoretical Coverage Rate	2,1 kg/m ²
Recommended thickness	1--20mm per application.
Dry Temperature Resistance	Softens above 60 °C.
Quartzsand	Floor Screed sand, 0,3--0,7 mm

Surface Preparation

General	Surface cleaned and prepared.
Steel	HI EP Floor Screed sticks to most steel primers. Steel must be sandblasted to min. SA 2 ½ and be dry, clean and free from dust. The substrate must be primed before application of HI EP Floor Screed.
Concrete	N.A.

Application Equipment

Equipment	HI EP Floor Screed is applied in the desired thickness with a steelboard and straightedge. Note! If the layer thickness is above 1 cm, it is important to compress the mixture so that the surface is smooth and shiny. The surface has to be smoothed using a steelboard. If any dry areas, these must be filled up with epoxy prior to further treatment. This is to ensure a waterproof screed.
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Mixing & Thinning

Mixing	Mix part A (6,7kg) and part B (3,3kg) thoroughly with mechanical mixer, add the sand and mix it together into a smooth mass.
Mixing ratio	Part A(6,7kg): resin, part B(3,3kg): hardener, part C(25 kg): quartzsand, 0,3--0,7 mm Floor Screed. Mixing ratio: A+B=10kg+40ksand.
Thinning	No use of thinner.
Pot Life	45 min. at 20°C.

Cleaning & Safety

Cleaning	Tools may be cleaned by use of an aromatic solvent such as xylene, toluene or ethylacetate.
Safety	Consult materiel safety data sheet.
Ventilation	Good ventilation when heating of room.
Caution	Consult materiel safety data sheet.

Application Conditions

	Coating	Surface	Ambient	Humidity
Normal	15---25°C	15---25°C	15---25°C	<85%
Minimum	5°C	5°C	5°C	30%
Maximum	25°C	45°C	45°C	85%

Do not apply when surface temperature is less than 3°C above dew point.

Technical Data

At 20°C and 50% RH (relative humidity)

Tack free	9 h.
Fully cured	3---10 days.
Specific gravity	2,1 g/cm ³
Impact current	84 N/mm ²
Tensile strength	27 N/mm ²
E---module	-
Adhesion strength	4 N/mm ²

Curing Schedule

Temperature	Recoating
5°C	32 h.
10°C	18 h.
20°C	9 h.

Packaging & Storage

Sales Unit	10 kgset.
Storage (General)	To be stored unopened and under dry conditions.
Storage Temperature & Humidity	Storage temperature should be kept between 10---35 °C.
Shelf Life	24 months at max 23°C.

Further information

When other products are to be used together with this material, the technical data sheets must be checked. This is to make sure they are compatible with each other.

After many years experience, Hummervoll Industribelegg AS has a very good technical and practical knowledge. We are happy to assist with our expertise.



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