

HI EP Sealer

Product data sheet

Characteristics & Specification Data

Description	HI EP Sealer is a two-pack, solvent-free epoxy primer for steel substrates.
Characteristics	HI EP Sealer is designed particularly as a primer for Hummervoll deck coating systems for off-shore and ship installations.
Area of application	HI EP Sealer has very good adhesion to blast-cleaned steel and cures down to 5°C at 0-85% relative humidity.
Colour	Clear
Finish	N.A.
Primers	Clean and dust free surface.
Topcoats	Can be overpainted with solvent free epoxy.
Dry Film Thickness	200µ
Wet Film Thickness	200µ
Solids Content	> 99%
Theoretical Coverage Rate	0,2 kg/m ²
Recommended film thickness	175-200 µm
Dry Temperature Resistance	Softens if more than 60°C.

Surface Preparation

General	Surface cleaned and prepared.
Steel	Steel must be blastcleaned to minimum Sa 2 ½ (ISO 8501-1). The temperature of the steel substrate must be minimum 3°C above dewpoint.
Concrete	N.A.

Application Equipment

Equipment	Roller/brush or rubber blade/squeegee.
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Mixing & Thinning

Mixing	Mix part A and part B thoroughly with mechanical mixer immediately prior to use.
Mixing ratio	Part A:Part B=1,67:1 (by weight). Part A:Part B=1,5:1 (by volume). The product is delivered in correct mixing proportions.
Thinning	Do not use thinner.
Pot Life	Approx. 1 hour at 20°C.

Cleaning & Safety

Cleaning	Tools may be cleaned by use of an aromatic solvent such as xylene, toluene or ethylacetate.
Safety	Protective clothing for working with epoxy.
Ventilation	Good ventilation when heating of rooms.
Caution	Consult material safety data sheet.

Application Conditions

	Coating	Surface	Ambient	Humidity
Normal	15-30°C	15-30°C	15-30°C	85%
Minimum	10°C	5°C	5°C	0%
Maximum	30°C	50°C	45°C	85%

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

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Technical Data

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

Tack free	5 h.
Fully cured	5-7 days.
Specific gravity	1,08 g/cm ³
Viscosity	1800 cp at 25°C

Packaging & Storage

Sales Unit	5 kg set.
Part A (Base)	3,12 kg
Part B (Hardener)	1,88 kg
Storage (General)	To be stored unopened and under dry conditions.
Storage Temperature & Humidity	Storage temperature should be kept between 5-40°C.
Shelf Life	36 months at max 23°C.

Curing Schedule

Temperature	Dry to Recoat
5°C	12-24h.
10°C	8-16 h.
20°C	4-12 h.

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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