

HI EP Flex Top coat

Product data sheet

Characteristics & Specification Data

Description	HI EP Flex Top Coat is a two-pack, solvent-free epoxy coating .
Characteristics	<p>HI EP Flex Top Coat is a flexible, durable coating for specially designed for escape routes. HI EP Flex Top Coat is formulated to withstand tension/ expansion in steel substrate.</p> <p>The non-slip coating provides a surface with high chemical resistance and high adhesion to the substrate. HI EP Flex Top Coat cures quickly and cures down to 5°C.</p>
Area of application	HI EP Flex Top Coat is designed particularly as a high performance coating for "Heavy Duty" deck systems for ships and offshore installations. Recommended for decks, helidecks, walkways, heavy duty traffic areas, loading areas etc.
Color	RAL 1023, RAL 1021, other colours upon request
Finish	N.A.
Primers	Apply onto a solvent-free base
Topcoats	Can be overpainted with solvent-free epoxy.
Dry Film Thickness	1,0 - 1,3mm
Wet Film Thickness	N.A.
Solids Content	> 99%
Theoretical Coverage Rate	1,0 - 1,7 kg/m ² .
Dry Temperature Resistance	Softens if more than 60°C.

Surface Preparation

General	Surface cleaned and prepared.
Steel	Consult technical data for HI EP Sealer. The temperature of the steel substrate must be minimum 3°C above dew point.
Concrete	N.A.

Application Equipment

Equipment	<p>Apply HI EP Deck Coat (A+B) in the required thickness with , rubber-squeegee or paint brush.</p> <p>Antiskid: Apply antiskid to top layer of HI EP Flex Top Coat with a squeegee.</p> <p>Distribute antiskid with a paint roller.</p>
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Mixing & Thinning

Mixing	<p>Mix part A and part B thoroughly with an agitator (mechanical mixer) immediately prior to use. Min. mixing time = 1 minute</p>
Mixing ratio	<p>Part A: Part B = 4,88 : 1 (by weight). Part A: Part B = 3,2 : 1 (by volume). The product is delivered in correct mixing proportions.</p>
Thinning	Do not use a thinner.
Pot Life	20 minutes 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	0-85%
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	3 h.
Fully cured	4-7 days.
Specific gravity	1,47 g/cm ³ .
Viscosity	800 cp at 25 °C.

Curing Schedule

Temperature	Recoating
5°C	16 h.
10°C	10 h.
20°C	5 h.

Packaging & Storage

Sales Unit	20 kg set.
Part A (Base)	16,6 kg/pail
Part B (Hardener)	3,4 kg/pail
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.

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 Industrieblegg AS has a very good technical and practical knowledge. We are happy to assist with our expertise.

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