

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.

Business address:

Hummervoll Industribellegg AS
Sanddalsringen 3,
5225 Nesttun - Norway

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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HI EP Deck coat

Product data sheet

Characteristics & Specification Data

Description	HI EP Deck Coat is a two-pack, solvent-free self-levelling flooring compound.
Characteristics	HI EP Deck Coat can be applied as a 1,5-2,0 mm self-levelling system or as a slurry/Heavy Duty slurry system in thickness of 3 - 5 mm. HI EP Deck Coat is a wear resistant, shock resistant and anti-skid (slurry) system and provides a smooth and seamless floor with high chemical resistance. The system has very good adhesion to blastcleaned steel and several types of steel primers (e.g. HI EP Sealer). HI EP Deck Coat cures quickly and cures down to 5°C.
Area of application	HI EP Deck 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.
Colour	Grey, green on stock.
Finish	N.A.
Primers	Apply to primed surface. (HI EP Sealer)
Topcoats	Can be overpainted with solvent-free epoxy.
Dry Film Thickness	0,75 - 2,0mm
Wet Film Thickness	N.A.
Solids Content	> 99%
Theoretical Coverage Rate	As self-levelling system, 2 - 2,7 kg/m ² . As slurry, see table of consumption
Dry Temperature Resistance	Softens if more than 60°C.

Consumption

Slurry	Heavy Duty/ medium traffic	Heavy Duty
	3 mm	5 mm
HI EP Deck Coat	1,25 kg/m ²	2,5 kg/m ²
Quartzsand, 0,8-1,2 mm	2,8 kg/m ²	5,9 kg/m ²

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	<u>Self-levelling system/1st coat slurry:</u> Apply HI EP Deck Coat (A+B) in the required thickness with a notched trowel. <u>Slurry:</u> After application of the 1 st coat, broadcast the "wet" coating with aggregate to excess and let dry. Remove the excess aggregate and apply a top layer of HI EP Deck Top Coat with a squeegee. Enclose the aggregates by means of a paint roller.
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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 = 4,9 : 1 (by weight). Part A: Part B = 3,1 : 1 (by volume). The product is delivered in correct mixing proportions.
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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HI EP Deck coat

Product data sheet

Technical Data

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

Tack free	8 h.
Fully cured	4-7 days.
Specific gravity	1,49 g/cm ³ .
Viscosity	1500 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

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HI EP Deck Top coat

Product data sheet

Characteristics & Specification Data

Description	HI EP Deck Top Coat is a two-pack, solvent-free epoxy coating.
Characteristics	HI EP Deck Top Coat is a wear resistant, providing a smooth surface with high chemical resistance. HI EP Deck Top Coat cures quickly and cures down to 5°C.
Area of application	HI EP Deck 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 7038, RAL 6002, other colours available on 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	1,0 - 1,3mm
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	Apply HI EP Deck Top Coat (A+B) in the required thickness with rubber-squeegee or paint brush. Antiskid: Apply antiskid to top layer of HI EP Deck Top Coat with a squeegee. Distribute Antiskid with a paint roller.
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Mixing & Thinning

Mixing	Mix part A and part B thoroughly with agitator prior to use, minimum 1 minute.
Mixing ratio	Part A: Part B=3,7:1 (by weight). Part A: Part B=2,7:1 (by volume). The product is delivered in correct mixing proportions.
Thinning	Do not use 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, ethyl acetate.
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%

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

Tack free	3 h.
Fully cured	4-7 days.
Specific gravity	1,33 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	16 kg set.
Part A (Base)	12,6 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

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

Mixing & Thinning

Mixing	Mix part A and part B thoroughly with an agitator (mechanical mixer) immediately prior to use. Min. mixing time = 1 minute
Mixing ratio	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.
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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HI EP Flex Top coat

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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

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