Technical data sheet

PROTECTION MADE EASY

Oxycoat HS

Description and destination of the product

Oxycoat HS is a two-pack high solids ultra-fast drying epoxy primer and top coat based on zinc phosphate.
The product is used in high-performance epoxy and polyurethane paint systems for corrosion protection in aggressive environments of:

- steel structures
- hot-dip galvanising with surface preparation
- concrete

Oxycoat HS has the following properties:

- surface tolerant
- can be applied at low temperatures down to 0°C
- applicable in high layer thicknesses

Colour

Large number of RAL colours.

Gloss

Matt.

Technical data

Density:	± 1.60 kg/l
Solids content:	± 70 % in volume
Mixing ratio:	In volume: 3.8/1 In weight: 87/13 Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.
Potlife:	2 hours

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info@libertpaints.com | www.libertpaints.com

- **Drying times:**

Dustfree	:	1-2 hours
Dry	:	3 hours
Recoatable with epoxy coatings	:	min. 6 hours
Recoatable with polyurethane coatings	:	12 hours to 3 months

- **VOC:** <310 g/L

- **Theoretical yield:** 7 m²/L for 100 micron layertickness
  The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

Surface preparation

On steel: Degreasing and removal of impurities, blasting to Sa 2.5 and dusting the substrate. Can also be put on a suitable primer. On manually derusted substrates, de-rust to St3 and apply the first coat by brush to achieve good penetration of the paint.

On old, well adhering paints: remove impurities, degrease and sand the surface. Derust rusted areas to St3. Always test compatibility of old paint coat with next coat.

On hot galvanisation: If necessary, degrease and remove impurities and zinc salts. Blast with non-metallic abrasive until uniform matt surface. Depending on the steel grade and dimensions of the piece, the layer thickness of the galvanisation may increase. Pores may thus form in the zinc layer. These are difficult to seal with paints afterwards. It is therefore always recommended to spray a representative test piece with the complete paint system to validate the substrate.

On concrete: The concrete must be dry, hard and fully cured. The substrate must be free of compound and surface additives. Thoroughly clean with high pressure. Remove grease and oils with special deep cleaner for concrete. Remove cement skin by blasting. When blasting is impossible, the surface should be treated with a solution of 10% hydrochloric acid after which the surface is rinsed copiously with fresh water and dried.

On metallisation: Dilute the 1st layer 30%.

Use

	% Dilution	Thinner
Roller	0-3%	***Thinner 60***
Brush	0-3%	***Thinner 60***
Airless	0-5%	***Thinner 60***

Application conditions

The relative humidity should be no higher than 85 % while the temperature of the surface must be at least 0°C and 3°C higher than dew point.

Storage stability

Minimum 2 years in the original, unopened packing, stored at temperatures between +5°C up to +35°C.

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Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

The last update of our technical data sheets is always available at our website: www.libertpaints.com

Disclaimer
The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect. We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises. Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.

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