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EPICON ZINC HB-2

Product Description

EPICON ZINC HB-2 is a quick drying, high-build and anti-corrosive coating based on a combination of metallic zinc, epoxy resin and hardener.

It provides excellent protection for steel structures against corrosion, with good adhesion to steel substrates. It is compatible with almost any type of coating with good application workability, and is highly resistant to heat, oil, water and solvent.

Product Information

Type	Epoxy zinc coating				
Recommended Use	As a heavy-duty corrosion protection for ships, bridges, large tanks, onshore steel structures, etc.				
Mixing Ratio	Base : Hardener = 76 : 24 (by volume)				
Colour	Grey				
Flash Point	Base : 19.5°C Hardener : 22.5°C				
Density	2.28 G/mℓ				
Volume Solids (VS)	55 ± 2 %				
VOC	405 G/ℓ (EPA Method 24)				
Coverage (Theoretical)	18.18 - 7.35 m ² /ℓ				
Wet Film Thickness	55 - 136 μm				
Dry Film Thickness	30 - 75 μm				
Drying Time	Temperature	5°C	10°C	20°C	30°C
	Surface Dry	30 mins	25 mins	20 mins	15 mins
	Hard Dry	6 hrs	5 hrs	4 hrs	3 hrs
Painting Interval	Minimum	24 hrs	24 hrs	16 hrs	8 hrs
	Maximum	180 days	180 days	180 days	180 days
Pot Life		36 hrs	24 hrs	12 hrs	8 hrs
Thinner	Epoxy Thinner A				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	:	Minimum	5°C	
	Humidity	:	Maximum	85% R.H.	
	Surface Temperature	:	At least 3°C above the dew point		
	For Airless spray :				
	Tip No.	:	GRACO 621 - 823		
	Paint Output Pressure	:	8.8 – 11.8 MPa		
	Spray Speed	:	80 - 120 cm/sec		
	Viscosity	:	28 - 32 sec (Ford Cup No.4)		
	Thinning	:	0 - 15% by volume		
Recommended Surface Preparation	Sa2 1/2 (ISO 8501-1:2007) for direct application to steel surface. St3 (ISO 8501-1:2007) for shop primer coated surface.				
Preferable Preceding Coats	-				
Preferable Subsequent Coats	Bannoh series, Biscon HB-NT L, etc (except for alkyd and inorganic coatings)				

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Product Information (continued)

Packaging	Two pack product
Pack Size	5 litre

Notes

1. Prior to use, consult the Safety Data Sheet (SDS) and follow the health and safety instructions. Precautionary notice is stated on the SDS and on the product label.
2. Store the product indoors to avoid exposure to rainfall, since it contains zinc dust. If stored outdoors, take necessary measures such as covering the product with sheets.
3. Ventilation shall be carried out during and after the coating application until the paint applied is fully cured.
4. Agitate the Base thoroughly with a power agitator, then pour the Hardener and stir the mixture until homogeneous. Add thinner as necessary and agitate the mixture until homogeneous again.
5. Continue slow gentle stirring during application so as to prevent settling of zinc.
6. Curing time before the first cargo loading to cargo hold:

Temp.	10°C	20°C	30°C
Days	18	10	6
7. Density, VS and VOC contents are measured from product samples without thinning. Values may vary depending on manufacturing process, local regulations, etc.
8. For application condition and any other information, please consult with your local Dekro office.

Application

Correct surface preparation is essential for good product performance and all surfaces should be prepared as per the standard Dekro Preparation Specifications. Copies of these are available on request from your nearest Dekro Paints branch and/or stockist or can be downloaded from our website.

Safety Instructions

Always keep out of reach of children and animals.

Wear a suitable dust mask and goggles when preparing surfaces. Ensure good ventilation during application and drying.

If accidental contact with skin, wash immediately with soap and water or a recognised skin cleaner.

If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice.

Harmful if swallowed. Seek medical attention and do not induce vomiting.

General

Different surfaces and environmental conditions require specific painting systems to produce the best possible results.

It is therefore recommended that you contact a Dekro Sales representative for advice on all your painting requirements whenever possible.

The technical data furnished is given to the best of our knowledge and based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.