

# EPICON ZINC HB-2

(EPZ HB-2)

## PRODUCT DESCRIPTION

**EPICON ZINC HB-2**, a high-build anti-corrosive paint, based on a combination of metallic zinc, epoxy resin and hardener, is quick drying and gives excellent protection of steel against salt water and water.

This paint is compatible with almost any type of subsequent coat and is highly resistant to heat, oil, water and solvent.

## PRODUCT INFORMATION

Type	Epoxy zinc paint, high-build				
Recommended Use	As a rust preventive paint for interior and exterior of steel structure.				
Type of binder	Epoxy / Polyamide resin, Metallic zinc				
Mixing Ratio	Base : Hardener = 76 : 24 (by volume)				
Color	Grey				
Flash Point	Base : 19.5 °C,    Hardener : 22.5 °C				
Solids by Volume	55% ± 2 (Test Method : ISO-3233)				
VOC	405 g/l (EPA Method 24), 439 g/l (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	8.46 m <sup>2</sup> /l [0.118 l/m <sup>2</sup> ] at D.F.T 65μm				
Wet Film Thickness	73 – 136 μm				
Dry Film Thickness	40 – 75 μm				
Drying Time (at D.F.T. 65μm)	Temperature	5 °C	10 °C	20 °C	30 °C
	Surface Dry	30 min.	25 min.	20 min.	15 min.
	Hard Dry	6 hrs.	5 hrs.	4 hrs.	3 hrs.
Painting Interval (at D.F.T. 65μm)	Minimum	24 hrs.	20 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	EPICON THINNER, EPOXY THINNER A				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	: Minimum    5 °C			
	Humidity	: Maximum    85 % R.H.			
	For Airless spray ;				
	Tip No.	: GRACO 621 ~ 823			
	Paint output pressure	: 8.8 – 11.8 MPa			
	Viscosity	: 28 - 32 sec.(Ford Cup No.4)			
Preferable Preceding Coats	-				
Preferable Subsequent Coats	BANNOH series, BISCON HB-NT L, etc (except for alkyd and inorganic type paint)				
Packaging	Two pack product				

**TECHNICAL DATA (at 65 $\mu$ m)**

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		-	-	30m	25m	20m	20m	15m	15m	10m	10m
Dry to recoat	Min.	-	-	24H	20H	18H	16H	12H	8H	7H	6H
	Max.	-	-	180D	180D	180D	180D	180D	180D	180D	180D
Dry to hard		-	-	6H	5H	4.5H	4H	3.5H	3H	2.5H	2H
Dry to immerse	Body	-	-	-	-	-	-	-	-	-	-
	Touch-up	-	-	-	-	-	-	-	-	-	-
Dry to Touch-up		-	-	24H	20H	18H	16H	12H	8H	7H	6H
Pot life		-	-	36H	24H	16H	12H	9H	8H	6H	5H
Shelf life (M)		-	-	12M	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance (Dry)		150°C									

Abbreviation ; Y : Year, M : Month, D : Day, H : Hour, m : Minute

**Notes :**

In common with all epoxy coatings, EPICON ZINC HB-2 will show chalking and fading on exposure to UV light.

**RECOMMENDABLE SURFACE PREPARATION**

All surfaces to be free from various contaminants (oil, grease, dust, spray dust and etc.) and keep surfaces dry.  
Kindly consult CSP sales office for specific information.

**SAFETY PRECAUTIONS**

In order to ensure safe use of our product, please be sure to follow the safety precautions indicated on the SDS and the paint container. If you need further explanation, do not hesitate to consult our personnel or our local distributors before buying, opening, using, or disposing the product. Since product contains flammable materials, keep away from sparks and open flame. No smoking should be permitted in the area on painting.

Wear an appropriate protector (eye and face protection, protective clothing, barrier creams, etc) when mixing, applying, or drying the paint. If products come into contact with the skin, wash thoroughly with warm water and soap or suitable cleaner. If the eyes is contaminated, irrigate with water and seek medical advice immediately.

**DISCLAIMER**

The information, including data, specifications, directions and recommendations, contained in this Data Sheet describes the experiment results under controlled or specially defined conditions and we do not guarantee that the Products, when used under the actual conditions of any intended use, will produce the same results. The performance of the Products in their actual use is affected by various factors, and the User must judge whether the Products are suitable for specific uses. We do not guarantee the performance of the Products under any specific operation environment other than the performance of the Products under the conditions described in this Data Sheet.

The content of this Data Sheet, which is intended for facilitation of the User's understanding and convenience of use of the Products, is subject to change at any time without prior notice. We use our best efforts to reflect the latest and most accurate information in this Data Sheet, but we will not bear any liability whatsoever relating thereto. The User must confirm that the Data Sheet is the latest version prior to using the Products.

We do not guarantee the performance or safety of the Products when used for a purpose or use other than what is described herein. Nor will we be liable for any explanation or guarantee provided by any distributor or sales agent with respect to the Products, other than what is described in this Data Sheet.

Furthermore, each of the Products described herein is composed of various chemical substances, some of which may contain toxic and/or harmful ingredients and may cause harmful results as a result of misuse or overuse of the Products. For specific causes of risk, conditions of use, harmfulness, etc. of each of the Products, please carefully read, prior to use of the Products, the MSDS (Material Safety Data Sheet) inserted in each of the Products. We will not be liable for any accident that may be caused in violation thereof.