

# EPICON ZINC RICH PRIMER B-2

(EPZR B-2)

## PRODUCT DESCRIPTION

**EPICON ZINC RICH PRIMER B-2** is a two-pack primer, composed of metallic zinc, epoxy resin and hardener. The coating dries quickly at room temperature, provides excellent adhesion and anticorrosive properties, and is overcoatable with various types of topcoats (except for alkyd, vinyl, and inorganic based paints.) This primer is best suited for touch up applications as it has good application workability and good adhesion with topcoats

## PRODUCT INFORMATION

Type	Epoxy zinc rich primer				
Recommended Use	As a primer for touch up applications after secondary surface preparation of steel plates, or as a primer for temporary corrosion protection of steels for shipbuilding and other steel products.				
Type of binder	Epoxy / Polyamide resin				
Mixing Ratio	Base : Hardener = 70 : 30 (by volume)				
Color	Grey				
Flash Point	Base : 10.0 °C,     Hardener : 10.0 °C				
Solids by Volume	43% ± 2 (Test Method : ISO-3233)				
VOC	500 g/ℓ (EPA Method24), 610 g/ℓ (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	28.6   m <sup>2</sup> /ℓ [0.035 ℓ/m <sup>2</sup> ] at D.F.T 15 <sub>μm</sub>				
Wet Film Thickness	35 - 58 <sub>μm</sub>				
Dry Film Thickness	15 - 25 <sub>μm</sub>				
Drying Time (at D.F.T. 18 <sub>μm</sub> )	Temperature	5 °C	10 °C	20 °C	30 °C
	Surface Dry	8 min.	7 min.	4 min.	3 min.
	Hard Dry	4 hrs.	3 hrs.	2 hrs.	1.5 hrs.
Painting Interval (at D.F.T. 18 <sub>μm</sub> )	Minimum	24 hrs.	20 hrs.	16 hrs.	10 hrs.
	Maximum	180 days	180 days	180 days	150 Days
Pot Life		72 hrs.	60 hrs.	48 hrs.	24 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 517 - 721			
	Paint output pressure	: 8.2 – 20.0 MPa			
Preferable Preceding Coats	Viscosity	: 9 - 13 sec.(Ford Cup No.4)			
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Preferable Subsequent Coats	Various types of topcoats (except for alkyd, vinyl, and inorganic based paints)				
Packaging	Two pack product				

**TECHNICAL DATA (at 18 $\mu$ m)**

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		15m	10m	8m	7m	5.5m	4m	3.5m	3m	2.5m	2m
Dry to recoat	Min.	40H	30H	24H	20H	18H	16H	13H	10H	8H	6H
	Max.	6M	6M	6M	6M	6M	6M	6M	5M	4M	4M
Dry to hard		8H	6H	4H	3H	2.5H	2H	1.8H	1.5H	1H	1H
Dry to immerse	Body	-	-	-	-	-	-	-	-	-	-
	Touch-up	-	-	-	-	-	-	-	-	-	-
Dry to Touch-up		14H	10H	8H	7H	5H	4H	3.5H	3H	2.5H	2H
Pot life		90H	80H	72H	60H	54H	48H	36H	24H	16H	12H
Shelf life (M)		12M	12M	12M	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance		Continuous: 60°C Non continuous: 150°C									

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

**Notes :**

1. Continue slow gentle stirring during application to avoid settling of zinc.
2. For the PSPC use, please refer to PSPC's TDS

**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.

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