

# EPICON S-100 PRIMER

(EP S 100)

## PRODUCT DESCRIPTION

**EPICON S-100 PRIMER** is a two pack epoxy primer for stainless steel, based on a combination of epoxy resin, curing agent and selected pigments.

It has excellent adhesion on stainless steel and excellent water resistance.

## PRODUCT INFORMATION

<b>Type</b>	Epoxy primer				
<b>Recommended Use</b>	Primer for stainless steel, and aluminum				
<b>Type of binder</b>	Epoxy resin				
<b>Mixing Ratio</b>	Base : Hardener = 87 : 13 (by volume)				
<b>Color</b>	Red brown				
<b>Flash Point</b>	Base : 16.5 °C, Hardener : 19.5 °C				
<b>Solids by Volume</b>	29% ± 2 (Test Method : ISO-3233)				
<b>VOC</b>	597 g/l (Korea Clean Air Conservation Act)				
<b>Coverage(Theoretical)</b>	9.67 m <sup>2</sup> /l [0.103 l/m <sup>2</sup> ] at D.F.T 30 $\mu$ m				
<b>Wet Film Thickness</b>	86 – 121 $\mu$ m				
<b>Dry Film Thickness</b>	25 – 35 $\mu$ m				
<b>Drying Time</b> (at D.F.T. 30 $\mu$ m)	Temperature	5 °C	10 °C	20 °C	30 °C
	Surface Dry	10 min.	8 min.	5 min.	4 min.
	Hard Dry	12 hrs.	9 hrs.	6 hrs.	4 hrs.
<b>Painting Interval</b> (at D.F.T. 30 $\mu$ m)	Minimum	16 hrs.	12 hrs.	8 hrs.	6 hrs.
	Maximum	7 days	7 days	7 days	7 days
<b>Pot Life</b>		36 hrs.	30 hrs.	24 hrs.	16 hrs.
<b>Thinner</b>	EPICON THINNER, EPOXY THINNER G				
<b>Method of Application</b>	Airless spray, Brush, Roller				
<b>Condition of Application</b>	Temperature	: Minimum 5 °C			
	Humidity	: Maximum 85 % R. H.			
	For Airless spray ;				
	Tip No.	: GRACO 413, 517			
	Paint output pressure	: 6.8 – 10.3 MPa			
Viscosity	: 20 - 24 sec.(Ford Cup No.4)				
<b>Preferable Preceding Coats</b>	-				
<b>Preferable Subsequent Coats</b>	Various paint (except inorganic type paint and polyurethane type paint)				
<b>Packaging</b>	Two pack product				

**TECHNICAL DATA (at 30 $\mu$ m)**

Item		Temp (°C)									
		-5	0	5	10	15	20	25	30	35	40
<b>Set to touch</b>		-	-	10m	8m	6m	5m	4.5m	4m	3m	2m
<b>Dry to recoat</b>	<b>Min.</b>	-	-	16H	12H	10H	8H	7H	6H	5H	4H
	<b>Max.</b>	-	-	7D	7D	7D	7D	7D	7D	6D	6D
<b>Dry to hard</b>		-	-	12H	9H	7H	6H	5H	4H	3H	2H
<b>Dry to immerse</b>	<b>Body</b>	-	-	-	-	-	-	-	-	-	-
	<b>Touch-up</b>	-	-	-	-	-	-	-	-	-	-
<b>Dry to Touch-up</b>		-	-	16H	12H	10H	8H	7H	6H	5H	4H
<b>Pot life</b>		-	-	36H	30H	27H	24H	20H	16H	12H	8H
<b>Shelf life (M)</b>		-	-	12M	12M	12M	12M	12M	12M	12M	12M
<b>Max. heat resistance</b>		150°C									

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

**Notes :**

- BANNOH series is considered as undercoat for polyurethane coating.  
Please consult with CSP sales office.
- In common with all epoxy coatings, EPICON S-100 PRIMER 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.

The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.