

UNIVAN HS PRIMER

(UV HS P)

PRODUCT DESCRIPTION

UNIVAN HS PRIMER, is a high build type epoxy rust preventing paint based on a combination of epoxy resin and special curing agent. It has the following advantages;

1. Excellent rust-preventive property
2. Excellent compatibility with other kind of subsequent paint.
3. Excellent adhesion on low grade surface preparation.
4. Excellent application workability.
5. Excellent physical properties such as toughness, impact and abrasion resistance.

PRODUCTION INFORMATION

Type	Epoxy primer, high build				
Recommended Use	As a primer for plants, bridges, exterior of oil storage tank, towers, and other steel structures.				
Type of binder	Modified epoxy / amide resin				
Mixing Ratio	Base : Hardener = 78 : 22(by volume)				
Color	Grey, Light grey				
Flash Point	Base : 19.8 ℃, Hardener : 17.0 ℃				
Solids by Volume	54% ± 2 (Test Method : ISO-3233)				
VOC	388 g/l (EPA Method24), 449 g/l (Korea Air Conservation Act)				
Coverage(Theoretical)	5.4 m ² /ℓ [0.185 ℓ/m ²] at D.F.T 100 μm				
Wet Film Thickness	111 ~ 231 μm				
Dry Film Thickness	60 ~ 125 μm				
Drying Time (at D.F.T. 100 μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	4 hrs.	3 hrs.	2 hrs.	1 hr.
	Hard Dry	48 hrs.	24 hrs.	16 hrs.	10 hrs.
Painting Interval (at D.F.T. 100 μm)	Minimum	48 hrs.	24 hrs.	16 hrs.	10 hrs.
	Maximum	90 days	90 days	90 days	90 days
Pot Life		12 hrs.	6 hrs.	4 hrs.	2 hrs.
Thinner	EPICON THINNER, EPOXY THINNER A				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	: Minimum 5 ℃			
	Humidity	: Maximum 85 % R.H.			
	For Airless spray ;				
	Tip No.	: GRACO 621, 719, 721			
	Paint output pressure	: 14.7 – 23.6 MPa			
	Viscosity	: 1.2 – 1.8 Pa.s			
Preferable Preceding Coats	CERABOND 2000, EPICON ZINC RICH PRIMER B-2, etc.				
Preferable Subsequent Coats	UNY MARINE Series, EPICON MARINE HB, etc.				
Packaging	Two pack product				

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

TECHNICAL DATA (at 100 μ m)

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		-	-	4H	3H	2.5H	2H	1.5H	1H	50m	40m
Dry to recoat	Min.	-	-	48H	24H	18H	16H	12H	10H	8H	6H
	Max.)*	-	-	90D	90D	90D	90D	90D	90D	90D	90D
Dry to hard		-	-	48H	24H	18H	16H	12H	10H	8H	6H
Dry to immerse	Body	-	-	-	-	-	-	-	-	-	-
	Touch-up	-	-	-	-	-	-	-	-	-	-
Dry to Touch-up		-	-	48H	24H	18H	16H	12H	10H	8H	6H
Pot life		-	-	12H	6H	5H	4H	3H	2H	1.5H	1H
Shelf life (M)		-	-	12M	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance		120°C									

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

Notes :

1. *) Please consult with CSP sales office.
2. In common with all epoxy coatings, UNIVAN HS 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.