

ECOMAX Bi

(ECX Bi)

PRODUCT DESCRIPTION

ECOMAX Bi is a high build type epoxy modified coating.

It is suitable primer for special foul-release system "BIOCLEAN". It has the following advantages;

1. Excellent anti-corrosive property and salt/fresh water resistance
2. Excellent physical properties such as adhesion, abrasion resistance
3. High build type, therefore it is possible to reduce number of coatings
4. BIOCLEAN is able to apply on ECOMAX Bi directly

PRODUCT INFORMATION

Type	Epoxy Modified Paint, High Build					
Recommended Use	Plant or underwater environment steel structures, undercoat for concrete (underwater environment)					
Type of binder	Epoxy, Modified					
Mixing Ratio	Base : Hardener = 82 : 18 (by volume)					
Color	Light Grey, Grey					
Flash Point	Base : 22.0 °C, Hardener : 22.5 °C					
Solids by Volume	62% ± 2 (Test Method : ISO-3233)					
VOC	362 g/l (EPA Method24), 402 g/l (Korea Clean Air Conservation Act)					
Coverage(Theoretical)	2.07 m ² /l [0.484 l/m ²] at D.F.T 300 μ m					
Wet Film Thickness	484 μ m					
Dry Film Thickness	300 μ m					
Drying Time (at D.F.T. 300 μ m)	Temperature	-	10 °C	20 °C	30 °C	
	Surface Dry	-	4 hrs.	3 hrs.	2 hrs.	
	Hard Dry	-	22 hrs.	16 hrs.	10 hrs.	
Painting Interval (at D.F.T. 300 μ m)	Minimum	-	22 hrs.	16 hrs.	10 hrs.	
	Maximum	-	7 days	7 days	7 days	
Pot Life		-	8 hrs.	6 hrs.	4 hrs.	
Thinner	EPICON THINNER, EPOXY THINNER A					
Method of Application	Airless spray, Brush, Roller					
Condition of Application	Temperature	:	Minimum	10 °C		
	Humidity	:	Maximum	85 % R.H.		
	For Airless spray ;					
	Tip No.	:	GRACO 623, 723			
	Paint output pressure	:	14.7 – 17.7 MPa			
	Viscosity	:	2.0 - 2.5 Pa·s			
Preferable Preceding Coats	ECOMAX ZINC PRIMER, CERABOND 2000, etc.					
Preferable Subsequent Coats	BIOCLEAN Series, UNY MARINE Series, FLUOREX UNDERCOAT EP, FLUOREX FINISH, etc.					
Packaging	Two pack product					

TECHNICAL DATA (at 300 μ m)

Item		Temp (°C)	-5	0	5	10	15	20	25	30	35	40
Set to touch			-	-	-	4H	3.5H	3H	2.5H	2H	1.5H	1H
Dry to recoat	Min.		-	-	-	22H	18H	16H	12H	10H	8H	7H
	Max.		-	-	-	7D	7D	7D	7D	7D	7D	7D
Dry to hard			-	-	-	22H	18H	16H	12H	10H	8H	7H
Dry to immerse	Body		-	-	-	-	-	-	-	-	-	-
	Touch-up		-	-	-	-	-	-	-	-	-	-
Dry to Touch-up			-	-	-	22H	18H	16H	12H	10H	8H	7H
Pot life			-	-	-	8H	7H	6H	5H	4H	3H	2H
Shelf life (M)			-	-	-	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance (Dry)			100°C (Non-continuous)									

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

Notes :

1. Please use ECOMAX Bi QD Hardener below 10°C.
2. In common with all epoxy coatings, ECOMAX Bi 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.