

# 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 "BIOCLEAR". 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. BIOCLEAR is able to apply on ECOMAX Bi directly

## PRODUCT INFORMATION

<b>Type</b>	Epoxy Modified Paint, High Build			
<b>Recommended Use</b>	Plant or underwater environment steel structures, undercoat for concrete (underwater environment)			
<b>Type of binder</b>	Epoxy, Modified			
<b>Mixing Ratio</b>	Base : Hardener = 82 : 18 (by volume)			
<b>Color</b>	Light Grey, Grey			
<b>Flash Point</b>	Base : 22.0 °C, Hardener : 22.5 °C			
<b>Solids by Volume</b>	62% ± 2 (Test Method : ISO-3233)			
<b>VOC</b>	362 g/l (EPA Method24), 402 g/l (Korea Clean Air Conservation Act)			
<b>Coverage(Theoretical)</b>	2.07 m <sup>2</sup> /l [0.484 l/m <sup>2</sup> ] at D.F.T 300 μm			
<b>Wet Film Thickness</b>	484 μm			
<b>Dry Film Thickness</b>	300 μm			
<b>Drying Time</b> (at D.F.T. 300 μm)	Temperature	-	10 °C	20 °C
	Surface Dry	-	4 hrs.	3 hrs.
	Hard Dry	-	22 hrs.	16 hrs.
<b>Painting Interval</b> (at D.F.T. 300 μm)	Minimum	-	22 hrs.	16 hrs.
	Maximum	-	7 days	7 days
<b>Pot Life</b>	-	-	8 hrs.	6 hrs.
<b>Thinner</b>	EPICON THINNER, EPOXY THINNER A			
<b>Method of Application</b>	Airless spray, Brush, Roller			
<b>Condition of Application</b>	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		
<b>Preferable Preceding Coats</b>	ECOMAX ZINC PRIMER, CERABOND 2000, etc.			
<b>Preferable Subsequent Coats</b>	BIOCLEAR Series, UNY MARINE Series, FLUOREX UNDERCOAT EP, FLUOREX FINISH, etc.			
<b>Packaging</b>	Two pack product			

**TECHNICAL DATA (at 300 $\mu$ m)**

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
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.

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