

BIOCLEAN ECO

(BCL ECO)

PRODUCT DESCRIPTION

BIOCLEAN ECO is an innocuous long life foul-release coating designed to prevent the attachment of marine organisms by providing low critical surface tension.

It has the following advantages;

1. Environmental friendly, safe and hygienic
2. High volume solid, low VOC. (51g/Ltr = 0.43lb/gal)
3. No heavy metals and toxic ingredients
4. Long service life with excellent foul-release properties
5. Easy application & High build type

PRODUCT INFORMATION

Type	Special synthetic resin foul-release coating with an outstanding long term durability				
Recommended Use	Offshore, underwater structures, sea water facilities in electric power station (water intake, screens, valves, etc.)				
Type of binder	Special synthetic Silicon elastomer				
Color	Clear				
Flash Point	26.5℃				
Solids by Volume	94% ± 2 (Test Method : ISO-3233)				
VOC	51 g/L (Korea Air Conservation Act)				
Coverage(Theoretical)	6.27 m²/ℓ [0.159 ℓ/m²] at D.F.T 150μm				
Wet Film Thickness	160 μm				
Dry Film Thickness	150 μm				
Drying Time (at D.F.T. 150μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	50 mins.	40 mins.	30 mins.	20 mins.
	Hard Dry	8 hrs.	6 hrs.	5 hrs.	4 hrs.
Painting Interval (at D.F.T. 150μm)	Minimum	8 hrs.	6 hrs.	5 hrs.	4 hrs.
	Maximum	5 days	5 days	5 days	5 days
Pot Life		-	-	-	-
Dry to launch	Minimum	1 day	1 day	1 day	1 day
Thinner	SILICON THINNER				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	: Minimum 0℃			
	Humidity	: Maximum 85 % R.H.			
	For Airless spray ;				
	Tip No.	: GRACO 619 - 719			
	Paint output pressure	: 17.7 - 20.6 MPa			
	Viscosity	: 10 – 15 Pa.s			
Preferable Preceding Coats	ECOMAX Bi, BIOCLEAN SEALER ECO				
Packaging	One pack product				

TECHNICAL DATA (at 150 μ m)

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		-	60m	50m	40m	35m	30m	25m	20m	15m	15m
Dry to recoat	Min.	-	12H	8H	6H	6H	5H	4.5H	4H	3H	3H
	Max.	-	5D	5D	5D	5D	5D	5D	5D	5D	5D
Dry to hard		-	12H	8H	6H	6H	5H	4.5H	4H	3H	3H
Dry to immerse	Body	-	1D	1D	1D	1D	1D	1D	1D	1D	1D
	Touch-up	-	1D	1D	1D	1D	1D	1D	1D	1D	1D
Pot life		-	-	-	-	-	-	-	-	-	-
Shelf life (M)		-	6M	6M	6M	6M	6M	6M	6M	6M	6M
Max. heat resistance		60°C (Non-continuous)									

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

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.