

CMP BIOCLEAN HB

(CMP BCL HB)

PRODUCT DESCRIPTION

CMP BIOCLEAN HB is a three-pack silicone elastomer foul release coating.

PRODUCT INFORMATION

REDUCED INFORMATION

Type	Silicone elastomer foul release coating				
Recommended Use	As a finish coat in the CMP BIOCLEAN foul release system. Especially designed for ocean going liners and fast coastal vessels.				
Type of binder	Silicone elastomer				
Mixing Ratio	Base : Hardener : Accelerator = 75 : 19 : 6 (by volume)				
Color	Light Grey S, Red Brown S				
Flash Point	Base : 34.5 ℃, Hardener : 26.8 ℃, Additive : 25.1 ℃				
Solids by Volume	79% ± 2 (Test Method : ISO-3233)				
VOC	191 g/ℓ (Method24), 223 g/ℓ (Korea Air Conservation Act)				
Coverage(Theoretical)	3.95 m²/ℓ [0.253 ℓ/m²] at D.F.T 200 μm				
Wet Film Thickness	253 μm				
Dry Film Thickness	200 μm				
Drying Time (at D.F.T. 200 μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	6 hrs.	4 hrs.	3 hrs.	2 hrs.
	Hard Dry	13 hrs.	8 hrs.	5 hrs.	3 hrs.
Painting Interval * (at D.F.T. 200 μm)	Minimum	-	-	-	-
	Maximum	-	-	-	-
Pot Life		45 mins.	30 mins.	30 mins.	30 mins.
Dry to launch	Minimum	36 hrs.	30 hrs.	24 hrs.	18 hrs.
Thinner	RAVAX THINNER, SILICON THINNER A Thinning: 5% (0-5deg C), 3% (6-10deg C) 0% (over 10deg C) (for cleaning only EPICON THINNER, EPOXY THINNER A)				
Method of Application	Airless spray, Brush				
Condition of Application	Temperature	: Minimum 0 ℃			
	Humidity	: Maximum 30 ~ 85 % R.H.			
	For Airless spray ;				
	Tip No.	: GRACO 519 - 721			
	Paint output pressure	: Min. 20.0 MPa			
Preferable Preceding Coats	CMP BIOCLEAN R				
Packaging	Three pack product				

TECHNICAL DATA (at 200 μ m)

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		-	8H	6H	4H	3.5H	3H	2.5H	2H	1.5H	1.5H
Dry to recoat*)	Min.	-	-	-	-	-	-	-	-	-	-
	Max.	-	-	-	-	-	-	-	-	-	-
Dry to hard		-	19H	13H	8H	6.5H	5H	4H	3H	2H	2H
Dry to immerse	Body	-	46H	36H	30H	27H	24H	21H	18H	16H	14H
	Touch-up	-	46H	36H	30H	27H	24H	21H	18H	16H	14H
Pot life		-	45m	45m	30m	30m	30m	30m	30m	20m	20m
Shelf life (M)		-	12M	12M	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance		60°C (Non-continuous)									

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

Notes :

1. *) Kindly consult CSP sales office.
2. Agitate Base with a power agitator until it is turned homogeneous, and then combine entire contents of Hardener with Base and mix thoroughly with power agitator. Then add Additive and mix thoroughly.

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.