

# CMP BIOCLEAN HB

(CMP BCL HB)

## PRODUCT DESCRIPTION

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

## PRODUCT INFORMATION

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

**TECHNICAL DATA (at 200 $\mu$ m)**

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

- \*) Kindly consult CSP sales office.
- 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.

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