

CMP BIOCLEAN R PLUS

(CMP BCL R P)

PRODUCT DESCRIPTION

CMP BIOCLEAN R PLUS is one pack, silicone elastomer foul release coating.

PRODUCT 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 vessels. | | | | |
| Type of binder | Silicone elastomer | | | | |
| Mixing Ratio | - | | | | |
| Color | Red Brown, Plum | | | | |
| Flash Point | 29.1 °C | | | | |
| Solids by Volume | 65% ± 2 (Test Method : ISO-3233) | | | | |
| VOC | 311 g/l (Korea Air Conservation Act) | | | | |
| Coverage(Theoretical) | 3.25 m ² /l [0.308 l/m ²] at D.F.T 200 μm | | | | |
| Wet Film Thickness | 154 – 308 μm | | | | |
| Dry Film Thickness | 100 – 200 μm | | | | |
| Drying Time (at D.F.T. 200 μm) | Temperature | 5 °C | 10 °C | 20 °C | 30 °C |
| | Surface Dry | 6 hrs. | 3 hrs. | 2 hrs. | 1 hr. |
| | Hard Dry | 14 hrs. | 10 hrs. | 7 hrs. | 5 hrs. |
| Painting Interval (at D.F.T. 200 μm) | Minimum | 14 hrs. | 10 hrs. | 7 hrs. | 5 hrs. |
| | Maximum | - | - | - | - |
| Pot Life | - | - | - | - | - |
| Dry to launch | Minimum | 36 hrs. | 30 hrs. | 24 hrs. | 18 hrs. |
| | | | | | |
| Thinner | RAVAX THINNER, SILICON THINNER A EPOXY THINNER A(for cleaning only) | | | | |
| Method of Application | Airless spray, Brush | | | | |
| Condition of Application | Temperature | : Minimum 0 - 35 °C | | | |
| | Humidity | : Maximum 40 ~ 85 % R.H. | | | |
| | For Airless spray ; | | | | |
| | Tip No. | : GRACO 519 - 721 | | | |
| | Paint output pressure | : Min. 20.0 MPa | | | |
| Preferable Preceding Coats | CMP BIOCLEAN SG-R | | | | |
| Preferable Subsequent coats | CMP BIOCLEAN PLUS | | | | |
| Packaging | One pack product | | | | |

TECHNICAL DATA (at 200 μ m)

| Item | | Temp (°C) | | | | | | | | | | |
|-----------------------------|-----------------|-----------------------|-----|-----|-----|------|-----|------|-----|-----|----|--|
| | | -5 | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | |
| Set to touch | | - | 10H | 6H | 3H | 2.5H | 2H | 1.5H | 1H | 45m | | |
| Dry to recoat | Min. | - | 20H | 14H | 10H | 8.5H | 7H | 6H | 5H | 4H | | |
| | Max.*) | - | - | - | - | - | - | - | - | - | | |
| Dry to hard | | - | 20H | 14H | 10H | 8H | 7H | 6H | 5H | 4H | | |
| Dry to immerse | Body | - | 42H | 36H | 30H | 27H | 24H | 21H | 18H | 15H | | |
| | Touch-up | - | 42H | 36H | 30H | 27H | 24H | 21H | 18H | 15H | | |
| Pot life | | - | - | - | - | - | - | - | - | - | | |
| Shelf life (M) | | - | 18M | 18M | 18M | 18M | 18M | 18M | 18M | 18M | | |
| Max. heat resistance | | 60°C (Non-continuous) | | | | | | | | | | |

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

Notes :

- *) Kindly consult CSP sales office.
- In case of dry to recoat date, this is data of subsequent coating of silicone on CMP BIOCLEAN R PLUS.
Please contact our sales team when applying below 5°C.
- As a tie coat for CMP BIOCLEAN PLUS system, CMP BIOCLEAN R PLUS Plum 100 μ m x1 coat is recommended.
- As a top coat for Rudder & Propeller, CMP BIOCLEAN R PLUS Red brown 200 μ m x1coat is recommended.

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.

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The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.