

CERABEST

(CB)

PRODUCT DESCRIPTION

CERABEST is a heat resistant paint provides excellent heat resistance at ultra-high temperatures up to 800°C, causing no defects including discoloration, cracking or deterioration in the anticorrosive performance and adhesion properties. This product dries quickly at room temperature.

PRODUCT INFORMATION

Type	Ultra heat resistant paint				
Recommended Use	For prevention of burn through of the coating caused by hot work on the reverse side of the steel, for interiors of marine vessels. (accommodation areas, engine room, etc.)				
Type of binder	Ethyl silicate				
Mixing Ratio	Paste : Base = 52 : 48 (by volume)				
Color	Light Grey, Grey				
Flash Point	Paste : 13.6 °C, Base : 13.0 °C				
Solids by Volume	44% ± 2 (Test Method : ISO-3233)				
VOC	542 g/l (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	14.70 m ² /ℓ [0.068 ℓ/m ²] at D.F.T 30μm				
Wet Film Thickness	68 μm				
Dry Film Thickness	30 μm				
Drying Time (at D.F.T. 30μm)	Temperature	5℃	10℃	20℃	30℃
	Surface Dry	12 min.	8 min.	4 min.	2 min.
	Hard Dry	60 hrs.	48 hrs.	30 hrs.	15 hrs.
Painting Interval (at D.F.T. 30μm)	Minimum organic	14 days.	10 days	7 days	7 days
	Maximum	180 days	180 days	180 days	180 days
Pot Life		30 hrs.	24 hrs.	16 hrs.	10 hrs.
Thinner	CERABEST THINNER, INORGANIC SHOP PRIMER THINNER series				
Method of Application	Airless spray, Air spray, Brush, Roller				
Condition of Application	Temperature	: Minimum 5 °C			
	Humidity	: 50 - 90 % R.H.			
	For Airless spray ;				
	Tip No.	: GRACO 415 - 719			
	Paint output pressure	: 8.8 - 11.8 MPa			
	Viscosity	: 7 - 9sec (IWATA Cup No.2)			
Preferable Preceding Coats	Inorganic shop primer				
Preferable Subsequent Coats	Epoxy paint, Special alkyd primer, etc.				
Packaging	Two pack product				

TECHNICAL DATA (at 30 μ m)

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		-	-	12m	8m	6m	4m	3m	2m	1.5m	1m
Dry to recoat	Min.(Organic)	-	-	14D	10D	8D	7D	7D	7D	6D	6D
	Max.	-	-	180D	180D	180D	180D	180D	180D	180D	180D
Dry to hard		-	-	60H	48H	38H	30H	22H	15H	12H	9H
Dry to immerse	Body	-	-	-	-	-	-	-	-	-	-
	Touch-up	-	-	-	-	-	-	-	-	-	-
Dry to Touch-up		-	-	72H	48H	34H	24H	15H	8H	6H	5H
Pot life		-	-	30H	24H	20H	16H	13H	10H	8H	6H
Shelf life (M)		-	-	6M	6M	6M	6M	6M	6M	6M	6M
Max. heat resistance		Continuous : 400°C / Non-continuous : 800°C									

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

Notes :

1. After a thorough stirring of Paste, gradually add Base to Paste and mix until homogeneous.
2. Continue slow gentle stirring during application to avoid precipitation. Fast stirring will increase the viscosity of the mixture and may result in gelling.
3. The mixture should be used as soon as possible under high temperature and high humidity conditions. Do not leave the mixture for a long term.
4. The spray gun should not be held too far away to avoid dry spray.
5. Excessively thick paint film may result in cracking.
6. This product is preferably stored indoors avoiding rainfalls, high temperature/humidity conditions as the base component is moisture curing.

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.

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