CLEANKEEP 5000 QD

(CK 5000 QD)

PRODUCT DESCRIPTION

CLEANKEEP 5000 QD, solvent-free epoxy paint, is designed as a protective coating of drinking water tank. CLEANKEEP 5000 QD is friendly to the environment as it provides no solvent, no heavy metal and less wasted material while coating. CLEANKEEP 5000 QD could be coated by airless spray.

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PRODUCT INFORMATION

Type	Solvent-free epoxy coating				
Recommended Use	Fresh water tank, Drinking water tank, Potable water tank				
Type of binder	Solvent free epoxy				
Mixing Ratio	Base : Hardener = 79 : 21 (by volume)				
Color	Cream, Light grey				
Flash Point	Base : 160 ℃, Hardener : 125 ℃				
Solids by Volume (Theoretical)	100%				
VOC	52 g/ℓ (Korea Clean Air Conservation Act)				
Coverage (Theoretical)	3.33 ㎡/ℓ [0.300 ℓ/㎡] at D.F.T 300㎛				
Wet Film Thickness	300 ㎛				
Dry Film Thickness	300 ㎛				
Drying Time (at D.F.T. 300㎛)	Temperature	5℃	10℃	15℃	20℃
	Surface Dry	40 hrs.	20 hrs.	14 hrs.	9 hrs.
	Hard Dry	3 days	36 hrs.	28 hrs.	22 hrs.
Painting Interval (at D.F.T. 300㎛)	Minimum	3 days	36 hrs.	22 hrs.	22 hrs.
	Maximum	10 days	10 days	10 days	10 days
Pot Life		1.5 hrs.	45 min	40 min.	30 min
Thinner	EPICON THINNER, EPOXY THINNER A (for cleaning only)				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature : Minimum 5 ℃ Humidity : Maximum 85 % R.H. For Airless spray : Tip No. : GRACO 419 - 721 Paint output pressure : 23.5 - 33.4 MPa Viscosity : 3.0 – 4.0 Pa·s				
Preferable Preceding Coats	CLEANKEEP 5000 HOLDING PRIMER, etc				
Preferable Subsequent Coats	-				
Packaging	Two pack product				

Notes :

1. Certificated by the test of quality for Drinking Water as follows

- Hiroshima City Research Laboratory of Public Health – Japan,
- NSF / ANSI / CAN 61 Drinking Water System Components – Health Effects. *Detail information is described in the following URL.
  https://www.nsf.org/certified-products-systems

2. Rinse (tank wash) should be carried out after full cure and before the tank goes into service

TECHNICAL DATA (at 300㎛)

Item \ Temp (℃)		-5	0	5	10	15	20	25	30	35	40
Set to touch		-	-	40H	20H	14H	9H	-	-	-	-
Dry to recoat	**Min.**	-	-	72H	36H	28H	22H	-	-	-	-
	Max.	-	-	10D	10D	10D	10D	-	-	-	-
Dry to hard		-	-	72H	36H	28H	22H	-	-	-	-
Dry to immerse	**Body**	-	-	15D	10D	7D	6D	-	-	-	-
	Touch-up	-	-	15D	10D	7D	6D	-	-	-	-
Dry to Touch-up		-	-	72H	36H	28H	22H	-	-	-	-
Pot life		-	-	90m	45m	40m	30m	-	-	-	-
Shelf life (M)		-	-	12M	12M	12M	12M	-	-	-	-
Max. heat resistance		Continuous: 60℃ / Non-continuous: 75℃									

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.