

# CLEANKEEP 5000

(CK 5000)

## PRODUCT DESCRIPTION

**CLEANKEEP 5000**, solvent-free epoxy paint, is designed as a protective coating of drinking water tank. This product contains no solvent, no heavy metal with excellent transfer efficiency. CLEANKEEP 5000 can be coated by conventional airless spray.

## 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 = 81 : 19 (by volume)				
Color	Cream, Light grey, Light blue				
Flash Point	Base : 135 °C, Hardener : 126 °C				
Solids by Volume (Theoretical)	100%				
VOC	60 g/l (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	3.33 m <sup>2</sup> /l [0.300 l/m <sup>2</sup> ] at D.F.T 300μm				
Wet Film Thickness	300 μm				
Dry Film Thickness	300 μm				
Drying Time (at D.F.T. 300μm)	Temperature	10 °C	20 °C	30 °C	40 °C
	Surface Dry	45 hrs.	18 hrs.	11 hrs.	8 hrs.
	Hard Dry	4 days	32 hrs.	24 hrs.	18 hrs.
Painting Interval (at D.F.T. 300μm)	Minimum	4 days	32 hrs.	24 hrs.	18 hrs.
	Maximum	14 days	14 days	14 days	12 days
Pot Life		1.5 hrs.	1 hr.	45 min.	20 min.
Thinner	EPICON THINNER, EPOXY THINNER A (for cleaning only)				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	: Minimum		10 °C	
	Humidity	: Maximum		85 % R.H.	
	For Airless spray ;				
	Tip No.	: GRACO 619 - 721			
	Paint output pressure	: 23.5 - 33.4 MPa			
Preferable Preceding Coats	Viscosity	: 3.0 – 4.0 Pa·s			
	CLEANKEEP 5000 HOLDING PRIMER, etc.				
Preferable Subsequent Coats	-				
Packaging	Two pack product				

Notes :

- Certificated by the test of quality for Drinking Water as follows
  - SS375 : 1994 – SINGAPORE, - Ministry of Health Circular No.102 / 78 : 2001 – ITALY,
  - 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>
- Rinse (tank wash) should be carried out after full cure and before the tank goes into service

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

**TECHNICAL DATA (at 300 $\mu$ m)**

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
Set to touch		-	-	-	45H	26H	18H	14H	11H	10H	8H
Dry to recoat	Min.	-	-	-	96H	55H	32H	26H	24H	20H	18H
	Max.	-	-	-	14D	14D	14D	14D	14D	12D	12D
Dry to hard		-	-	-	96H	55H	32H	26H	24H	20H	18H
Dry to immerse	Body	-	-	-	15D	10D	7D	6D	5D	4D	3D
	Touch-up	-	-	-	15D	10D	7D	6D	5D	4D	3D
Dry to Touch-up		-	-	-	96H	55H	32H	26H	24H	20H	18H
Pot life		-	-	-	90m	70m	60m	50m	45m	30m	20m
Shelf life (M)		-	-	-	12M	12M	12M	12M	12M	12M	12M
Max. heat resistance		Continuous: 60°C / Non-continuous: 75°C									

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

Notes :

1. Pot life is short. Please mix only required amount.
2. In winter season, heater for paint and air in the tank is recommended.
3. In common with all epoxy coatings, CLEANKEEP 5000 will show chalking and fading on exposure to UV light.

**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.