

CHARREX PFP-1000

Solvent Free Epoxy Intumescent Coating

PRODUCT DESCRIPTION

High performance epoxy intumescent fire protection coating.
The product is a high build, two pack material providing excellent durability and combined corrosion and fire protection. **CHARREX PFP-1000** is qualified by Underwriters Laboratories (UL) ANSI/UL 1709.

RECOMMENDED USE

For use in the onshore oil, gas, petrochemical and power generation industries. For the protection of steel structures, pipework and vessels from the effects of hydrocarbon pool fires.

PRODUCT DATA

Color	: Grey(Base : Black, Hardener : White)
Flash Point	: Part A 130°C / Part B 100°C
VOC	: None
Solids by Volume	: 100 %
Mixing Ratio	: Base / Hardener = 2.5 / 1 (by Weight)
Coverage(Theoretical)	: 1.00 m ² /Kg [1.00 Kg/m ²] at D.F.T 1,000 μm
Typical Thickness	: 1,000 ~ 7,000 μm (per 1 coat)
Method of Application	: Plural component spray, Airless spray(Small areas) Trowel(Touch up)

DRYING TIME

Drying Time (at D.F.T 5,000 μm)

Temperature	5°C	10°C	20°C	30°C
* Surface Dry	9 hrs.	8 hrs.	6 hrs.	4 hrs.
* Hard Dry	30 hrs.	28 hrs.	25 hrs.	22 hrs.
* Interval(Min)	24 hrs.	21 hrs.	11 hrs.	5 hrs.
Interval(Max)	-	-	-	-

* Surface Dry : The State of drying when slight pressure with a finger does not leave an important or reveal tackiness.

* Hard Dry : Minimum time before the coated objects can be available without physical damage.

Please consult with CMP sales for more specific information.

* Interval (Min) : The shortest time allowed before the subsequent coats.

SURFACE PREPARATION

- 1) All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application, all surfaces should be assessed and treated in accordance with ISO 8504:2000.
- 2) This product should only be applied to surfaces prepared by abrasive blast cleaning to Sa2½ (ISO 8501-1:2007) or SSPC SP10.
- 3) Prime surfaces ensuring primer is kept within specified thickness, generally 50-75 microns (2-3 mils) with maximum of 100 microns (4 mils) at overlap areas, to avoid over thickness of primer.

APPLICATION

Ambient Condition	Temperature	: Min 5°C
	Humidity	: Max 85% R.H.

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Thinner	CHARREX THINNER	
Plural component spray	Nozzle Tip	: 50°
	Nozzle Size	: 0.033 ~ 0.041"
	Nozzle Pressure	: 210 kg/cm ² (3,000psi)

APPLICATION ADVICE

Please check the typical temperature settings of paint (**Part A : 45~50°C / Part B : 40~45°C**) for plural component spray application. It is recommended that the paints(Part A & B) are moved to a 'holding area' controlled at 30-40°C for a few days to reduce the viscosity and so help with product pumping.

COMPATABILITY

Primer	BANNOH Series / Epoxy Primer EPICON ZINC HB-2 / Epoxy Zinc Phosphate Primer UNIVAN NT / Epoxy Primer
Sealer	BANNOH Series / Epoxy Primer
Top Coat	EPICON MARINE Series / Epoxy Finish UNY MARINE Series / Urethane Finish

PACKAGE

Pack size	Part A : 17.85 kg X 2Tins Part B : 14.30 kg X 1Tin
Unit Size	50 kg kit supplied as 2 Tins Part A and 1 Tin Part B.

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.