

TECHNICAL DATA SHEET

PERMAGUARD P 270

EPOXY HOLDING PRIMER

DESCRIPTION:	A two component, amine adduct cured epoxy holding primer		
RECOMMENDED USE:	Provides heavy duty epoxy system protection of freshly blasted steel. Also as a primer for storage tanks depending upon specification. Prefer to apply at temperature 10°C or higher. It is designed to use specially for the surface exposed to severe abrasion.		
RESISTANCE TO:	Moisture – Excellent Abrasion – Moderate	Weather – Good	
PRODUCT INFORMATION:			
Colour:	Red oxide or buff		
Finish:	Semi matt		
Volume solids %:	40 ± 2% (ASTM-D2697-86)		
V.O.C.:	508 g/l (NB. – Thinning will affect VOC compliance and volume solids)		
Typical thickness:	20 - 50 microns dry film thickness		
Theoretical coverage:	8 m²/ltr. @ 50 microns dft		
Density:	1.2 ± 0.1 g/cc (mixed)		
Flash point:	Base : 25°C C/A : 23°C		
Mixing ratio:	4 : 1 by volume		
Shelf life:	24 months from the date of manufacture		
Pot life:	3 hours @ 35°C		
Pack size:	Comp. A – 16 liters + Comp. B – 4 liters = 20 liters		

FILM THICKNESS AND SPREADING RATE:	MIN.	MAX.	UNIT
Dry film thickness	20	50	µm
Wet film thickness	50	125	µm
Spreading rate	20	8	m ² /l (theoretical)

This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

SERVICE TEMPERATURE: 140°C maximum dry

RECOMMENDED THINNER: Thinner No.5 (10%)

DRYING & CURING TIME:

SUBSTRATE TEMPERATURE	15°C	23°C	35°C
Touch dry	3 hours	2 hours	1 hour
Dried to over coat (minimum)	12 hours	8 hours	6 hours
Dried to over coat (maximum)	7 days	7 days	7 days

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SURFACE PREPARATION:

Steel: Remove all oil and grease in accordance with SSPC-SP1. Manually prepared surfaces should be prepared in accordance with SSPC-SP2 or SSPC-SP3. For more severe exposure, conditions blast cleaning to SSPC-SP 7 may be required. Abrasive blast clean to Sa 2 ½ BS7079:Part A1:1989. Average surface Profile 35 - 75 microns.

RECOMMENDED COATING SYSTEM:

Primer: Permaguard P 270

Topcoat: PERMALINE GF 922 / PERMALINE T 925 / PERMAGRIP GF 922

Note: The above mentioned is a generally used system for internal lining of tanks, and if any alternative systems are required, please contact the KPC's technical team. While using with tank linings, DFT must not exceed 100 microns

RECOMMENDED APPLICATION METHODS:

Airless spray, conventional spray, roller, brush

APPLICATION CONDITIONS AND OVER COATINGS:

New concrete should be allowed to cure for a minimum of 30 days and have a Moisture content of less than 5%. Very dense, non porous or chemically treated concrete may require acid etching, abrasive blasting or sanding for optimum adhesion.

This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point and always above 0°C.

At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired. Application at ambient air temperatures below 5°C is not recommended.

HEALTH AND SAFETY:

Please observe the precautionary notices displayed on the container. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Consult Product Health and Material Safety Data Sheet for information on safe storage, handling and application of this product.

Disclaimer: The information in this document is given to the best of KPC Paint's knowledge that based on laboratory testing and practical experience Products are often used under conditions beyond KPC's control and KPC Paints cannot guarantee anything but the quality of the product itself.

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