

TECHNICAL DATA SHEET



PERMAGRIP T 736 AMINE CURED EPOXY COATING

DESCRIPTION:	A two component, amine cured epoxy coating		
RECOMMENDED USE:	For internal linings of storage tanks providing chemical, Solvent, and water-resistant high build system. Also recommended for refined petroleum products storage tanks, properly prepared carbon steel and concrete substrates.		
RESISTANCE TO:	Moisture – Excellent Abrasion – Excellent Petroleum Solvents – Excellent Weather - Excellent	Alkali spillage – Excellent Acid spillage - Moderate Aliphatic Solvents – Excellent	
PRODUCT INFORMATION:			
Color:	Off White, Grey and light shades.		
Finish:	Semi-Matt		
Volume solids %:	65 ± 1 % (ASTM-D2697-86)		
V.O.C.:	301 g/l (NB. – Thinning will affect VOC compliance and volume solids)		
Typical thickness:	100 - 250 microns dry film thickness		
Theoretical coverage:	6.5 m ² /ltr. @ 100 microns dft		
Flash point	Base: 24°C C/A: 24°C		
Mixing ratio:	4 : 1 by volume		
Shelf life:	24 months from the date of manufacture		
Pot life:	2 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	100	250	µm
Wet film thickness	154	385	µm
Spreading rate	6.5	2.2	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: 120°C maximum dry

RECOMMENDED THINNER: Thinner No.5 (5%)

DRYING & CURING TIME:

SUBSTRATE TEMPERATURE	15°C	23°C	35°C
Touch dry	2 hours	1.5 hours	1 hour
Dried to over coat (minimum)	8 hours	6 hours	4 hours
Walk-on-dry	24 hours	16 hours	12 hours
Dried/cured for service	15 days	7 days	4 days

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SURFACE PREPARATION:

For steel: All surfaces to be coated should be dry, free of any contamination and clean prior to paint application. Oil and grease should be removed in accordance with SSPC-SP1 solvent cleaning. Abrasive blast cleans the new steel with SSPC-SP 10 standard (SA 2 ½).

New Concrete: The concrete must be fully cured and have moisture content less than 4-5% water capillary activity based on ASTM D4263. The pH of the surface should be between 6-9. Surface temperature must be at least 10°C during the application and until the coating is cured. All cracks and holes must be sealed properly using PERMAFILL F 303. The concrete surface to be painted should be dry, clean, free from laitance, dust, old paint residues (if any), oil, grease, waxes, or any other surface contaminants to be removed by sanding/grinding or blasting.

RECOMMENDED COATING SYSTEM:

PRIMER FOR STEEL: PERMAGRIP P 270

PRIMER FOR CONCRETE: PERMAGRIP P 230

N.B: For any technical support regarding coating system. Please contact KPC team.

RECOMMENDED APPLICATION METHODS:

Airless spray, conventional spray, roller & brush

APPLICATION EQUIPMENT DETAILS:

Airless spray

Nozzle Size : 0.38mm (15 thou)

Fan Angle : 40°

Operating pressure : 115kg/cm² (2700 psi)

Conventional spray

Nozzle Size : 1.27mm (50 thou)

Atmospheric pressure : 2.8kg/cm² (40 psi)

Fluid pressure : 0.7kg/cm² (10 psi)

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.

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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