

TECHNICAL DATA SHEET

KPC PT 703

PRETREATMENT FOR GALVANIZED METAL

DESCRIPTION:	PT 703 - PHOSPHORIC ACID BASED MORDANT SOLUTION
RECOMMENDED USE	For application onto galvanized surfaces as a chemical pre-treatment to improve the adhesion of subsequent paint systems.
PACKAGE	A single component material
PACK SIZE	20 Litres and 5 Litres pack.
SHELF LIFE	24 months from the date of manufacture.
COLOUR AVAILABILITY	Blue solution
FLASH POINT	34°C
SOLIDS BY VOLUME	Not Applicable
V.O.C.	779 grams / Ltr
TYPICAL THICKNESS - DFT	Not Applicable
THEORETICAL	20 - 25 m ² / Ltr
SPREADING RATE (T.S.R.)	
AVERAGE DRYING TIMES	
	TOUCH
	RECOAT(MIN)
SURFACE PREPARATION	Degrease in accordance with SSPC-SP1 solvent cleaning. Weathered galvanizing should be abraded to remove the passivated surface. Where galvanizing has been exposed and zinc salt formation has occurred the surface should be washed with clean water to remove any soluble salts. Allow to dry before application of this product
APPLICATION METHOD	Apply an even flowing coat by brush and allow to dry. If the zinc surface fails to turn black this indicates that the pre-treatment has not been effective. This may be due to the galvanized surface being contaminated with grease, flux or other contaminants or due to the presence of anti-white rust or wet storage stain treatment. Before re-applying mordant solution, it will be necessary to remove any unreacted mordant solution and contaminants by solvent washing and abrading the surface. Over application of mordant solution must be avoided as this results in a dense black powdery surface and in extreme cases there is a possibility of metallic copper plating out on the surface which will adversely affect the adhesion of subsequent coatings. For this reason, methods of application in which the applied thickness may be difficult to control e.g. dip or spray are not recommended. In any case, if there is any possibility of excess L703 pooling on galvanized surfaces, this must be removed by fresh water washing. The mordant pre-treated surface should be overcoated before any contamination can occur, and in exterior weather conditions within a maximum of 2 days