

PLASCOGUARD 75 ZINC PHOSPHATE EPOXY PRIMER

PRODUCT CODE: PEX 75 Range (Base) & PEH 125 (Catalyst)

TECHNICAL DATA SHEET

Product Description	A two-component zinc phosphate epoxy primer.																							
Intended Uses	<ul style="list-style-type: none"> As a shop primer for new work and for maintenance work. Its fast drying and handling properties make this an excellent primer for fabricator applications prior to full system application on site. Can be applied to mild steel, galvanised iron, aluminium and non-ferrous surfaces 																							
Features & Benefits	<ul style="list-style-type: none"> Contains zinc phosphate Good corrosion resistance High film builds can be achieved Fast drying Extended over coating time Good adhesion on mild steel, galvanised iron and aluminium 																							
Product Information	Colours	Red Oxide (PEX 7508), French Grey (PEX 756) (M10)																						
	Appearance	Semi Matt.																						
	Volume solids	60 %																						
	Recommended DFT	50 – 150 µm																						
	Recommended WFT	83 – 250 µm																						
	Theoretical spreading rate	8 m ² /L @ 75 µm DFT. at stated volume solids.																						
	VOC	411 g/L																						
	Flash Point	27 °C for both components & mixed paint																						
Application Details	Mixing	4 Parts Base PEX 75 to 1 Part Catalyst PEH 125 by volume. Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified. Agitate Base (PEX 75) with a power agitator. Combine entire contents of Catalyst (PEH 125) With Base (PEX 75) and mix thoroughly with a power agitator.																						
	Method	<p><u>Airless spray:</u> Recommended Tip size: 0.017” – 0.021” Nozzle pressure (2500-3000 psi) 172 – 207 bar</p> <p><u>Conventional Spray (pressure pot):</u> Recommended Gun: DeVilbiss MBC or JGA Air Cap 740 or 765 Fluid Tip: E</p> <p><u>Brush:</u> Min: 40 µm, Max: 50 µm can be achieved.</p> <p><u>Roller:</u> Min: 40 µm, Max: 50 µm can be achieved.</p>																						
	Pot life	6 h @ 23 °C																						
	Thinning	Use EPOXY THINNER (EPT 2)																						
	Cleaning	EPOXY THINNER (EPT 2)																						
	Application Environment	<table border="1"> <thead> <tr> <th>Surface Temperature</th> <th>Ambient Temperature</th> <th>Relative Humidity</th> </tr> </thead> <tbody> <tr> <td>Min: 10 °C</td> <td>Min: 10 °C</td> <td>Min: 10 %</td> </tr> <tr> <td>Max: 40 °C</td> <td>Max: 40 °C</td> <td>Max: 85 %</td> </tr> <tr> <td colspan="3">Or 3 °C above dew point</td> </tr> </tbody> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	Max: 40 °C	Max: 40 °C	Max: 85 %	Or 3 °C above dew point												
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Storage and Packaging	Store away from direct sun, sources of ignition, heat and severe cold. Shelf Life: 24 Months Dual Packs: 5 L unit: Base 4 L in a 5 L container, Catalyst(PEH 125) 1 L in a 1 L container																							

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Surface Preparation	<p>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 -1:2000 and 8504 -2:2000</p> <p>MILD STEEL:</p> <ul style="list-style-type: none"> The surfaces to be over coated must be clean, dry and free from contamination Oil and grease should be removed using PLASCON AQUASOLV DEGREASER (GR 1) followed by clean water rinses. Soluble chloride content may not exceed 75 mg per m². Dust and debris not to exceed 0,3 % when tested in accordance with SANS test method 769 Areas of breakdown, damage or weld seams should be prepared to the specified standard and patch primed with PLASCOGUARD 75 ZINC PHOSPHATE EPOXY PRIMER (PEX 75). Preferred surface preparation is abrasive blast cleaned to SA 2½ of the International standard ISO 8501-1:2007 to achieve a blast profile 50 - 75µm. If abrasive blasting is impossible, mechanically abrade to Grade ST 3 of ISO 8501-1:2007 (This method of surface preparation will result in a reduced life expectancy of the coating system). The primer must be applied before oxidation of the steel occurs. If oxidation does occur the entire oxidised area should be re-blasted to the standard specified above <p>GALVANISED IRON:</p> <ul style="list-style-type: none"> Preferred surface preparation: Sweep blast using Garnet Mica reduced pressure to achieve a blast profile of 20 – 30 µm. or if sweep blasting is not possible, clean surface area using PLASCON GALVANISED IRON CLEANER (GIC 1) and rinse until a water break free surface is achieved <p>ALUMINIUM/NON-FERROUS METAL:</p> <ul style="list-style-type: none"> Using AQUASOLV DEGREASER (GR 1) scrub the surface with bristle brushes/scouring Pads and rinse thoroughly with water. Polished aluminium must be abraded to a matt finish
Caution	<ul style="list-style-type: none"> In common with all epoxies, this product will chalk on exterior exposure. Rate of chalking will depend on climatic conditions. Not designed for continuous immersion.
Safety Precautions	<ul style="list-style-type: none"> Always keep paint out of reach of children. Ensure good ventilation during application and drying. If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner. Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention. Harmful if swallowed. Seek medical attention and do not induce vomiting. Do not smoke while painting. Flammable. Store in a cool dry place away from heat and sparks. Refer to Safety Data Sheet for complete information.
Shipping Weight	<p>UN Shipping No: 1263</p> <p>Dual pack: 5 L - 6,56 kg Base (PEX 75), 1 L – 0.92 kg Catalyst (PEH 125)</p>

DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

KANSAI PLASCON (PTY) LTD

10 Frederick Cooper Drive,
 Fatoria, Krugersdorp
 South Africa
 1739.
 Tel: +27 11 951 4500
 Fax: +27 800 110 932

PLASCON ADVISORY SERVICE: 0860 20 40 60

EMAIL: advice@kansaiplascon.co.za

