

## PLASCOGUARD 7100 EPOXY SERIES

PRODUCT CODE: PEX 7101 Base & PEH 77 Curing Agent

### TECHNICAL DATA SHEET

Product Description:	Two component polyamide cured high gloss epoxy enamel.																										
Intended Uses:	<ul style="list-style-type: none"><li>As a finishing coat for application onto suitably primed ferrous metals, concrete, cement plaster and wood.</li><li>For use where resistance to alkalis, water vapour and mild acids is required.</li><li>Also used as coating for concrete screed floors to eliminate attack from chemicals, oils, grease etc and prevent “dusting” of the floor</li></ul>																										
Features & Benefits	<ul style="list-style-type: none"><li>Suitable for use on chemical plants processing mildly alkaline &amp; acidic materials.</li><li>High gloss durable finish.</li><li>Used as a floor coating when applied by roller.</li></ul>																										
Product Information:	Colours	White (PEX 7101, Black (PEX 7102) and selected colour range via tinting system (PET 7101, PET 7102, PET 7103)																									
	Appearance	High Gloss																									
	Volume solids	55 + /- 2 %																									
	Recommended DFT	Min: 40 µm Max: 50 µm D.F.T.																									
	Recommended WFT	Min: 72 µm Max: 90 µm W.F.T.																									
	Spreading Rate	(Theoretical) 12,2 m²/litre at 45 µm D.F.T. at stated volume solids																									
	VOC	435 g/ℓ																									
	Flash point	27 °C for both components and mixed paint																									
Application Details:	Mixing	4 part base <b>PEX 7000</b> to 1 part curing agent <b>PEH 77</b> by volume. Material is supplied in two containers as a unit. Stir both components separately with a power mixer until homogeneous. Add the curing agent to the base and mix thoroughly together. Mix only in proportions shown above																									
	Method	<u>Airless spray:</u> Tip Size 0.013” – 0.015”, Nozzle pressure138–172 bar (2000 - 2500 psi) <u>Conventional Spray (Pressure Pot):</u> Gun : DeVilbiss MBC or JGA Air Cap 704 or 765. Fluid Tip: E <u>Brush:</u> Min: 30 µm Max: 40 µm D.F.T. can be achieved. (Theoretical) <u>Roller:</u> Min: 30 µm Max: 40 µm D.F.T. can be achieved(Theoretical)																									
	Thinning	Ready for use. Can be thinned up to 5% with <b>EPOXY THINNERS (EPT 2)</b> .																									
	Cleaning	Clean equipment immediately after use with <b>EPOXY THINNER (EPT 2)</b> .																									
	Pot Life	8 Hrs. at 23 °C																									
	Application Environment	<table><tr><td>Surface Temperature</td><td>Ambient Temperature</td><td>Relative Humidity</td></tr><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></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												
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																											
	Drying time	<table><tr><th rowspan="2">Temp</th><th rowspan="2">Touch dry</th><th rowspan="2">Hard dry</th><th colspan="2">Overcoating Interval</th></tr><tr><th>Min</th><th>Max</th></tr><tr><td>10 °C</td><td>12 Hrs</td><td>40 Hrs</td><td>45 Hrs</td><td>4 Weeks</td></tr><tr><td>23 °C</td><td>3 Hrs</td><td>16 Hrs</td><td>24 Hrs</td><td>4 Weeks</td></tr><tr><td>40 °C</td><td>1.5 Hrs</td><td>12 Hrs</td><td>16 Hrs</td><td>4 Weeks</td></tr></table>				Temp	Touch dry	Hard dry	Overcoating Interval		Min	Max	10 °C	12 Hrs	40 Hrs	45 Hrs	4 Weeks	23 °C	3 Hrs	16 Hrs	24 Hrs	4 Weeks	40 °C	1.5 Hrs	12 Hrs	16 Hrs	4 Weeks
Temp	Touch dry	Hard dry	Overcoating Interval																								
			Min	Max																							
10 °C	12 Hrs	40 Hrs	45 Hrs	4 Weeks																							
23 °C	3 Hrs	16 Hrs	24 Hrs	4 Weeks																							
40 °C	1.5 Hrs	12 Hrs	16 Hrs	4 Weeks																							
Storage and Packaging	Store away from direct sun, sources of ignition, heat and severe cold. Dual Packs: Base: (PEX 7101) 5 ℓ unit : 4 litres in a 5 litre container Curing agent: (PEH 77) 1ℓ unit: 1 litre in a 1 litre container Shelf Life: 12 Months																										

## PLASCOGUARD 7100 EPOXY SERIES

PRODUCT CODE: PEX 7101 Base & PEH 77 Curing Agent

<b>Surface preparation:</b>	<p>All surfaces to be coated should be clean, dry and free from oil, grease, dirt, dust or any other contaminants. Old epoxy painted surfaces must be thoroughly degreased using <b>PLASCON AQUASOLV DEGREASER (GR 1)</b> followed by clean water rinses. Abrade lightly to a matt finish. Dust thoroughly.</p> <p><b>CONCRETE &amp; CEMENT PLASTER:</b></p> <ul style="list-style-type: none"> <li>The moisture content of the concrete floor must be less than 5% when measured by the Dozer Hygrometer BD 4 scale</li> <li>The surface must be free from grease, oil, mud, shutter release agent, mould oils and foreign materials.</li> <li>Remove surface laitance using whatever method is practical. Carborundum or Diamond Grinding is preferred or in some cases acid etching can also be used. When concrete hardeners, curing membranes or other additives have been used, remove by Porta Shot Blasting.</li> <li>Apply <b>PLASCOGUARD 7100 EPOXY SERIES</b>. Allow 24 hours prior to overcoating.</li> </ul> <p><b>STEEL AND GALVANISED STEEL:</b></p> <ul style="list-style-type: none"> <li>These substrates must be prepared and primed with appropriate primers prior to application of <b>PLASCOGUARD 7100 EPOXY SERIES</b></li> </ul>
<b>Caution</b>	<ul style="list-style-type: none"> <li><b>Note: This product should not be applied directly to the substrate, but over recommended primer/intermediate coat system.</b></li> <li>Do not allow material to remain in the hoses, guns, or spray equipment. Thoroughly flush all equipment with <b>EPOXY THINNER (EPT 2)</b>.</li> <li>Once units of paint have been used, they should be resealed and it is advised that after prolonged stoppages work commences with freshly mixed units.</li> <li>In common with all epoxies, this product will chalk on exterior exposure. Rate of chalking will depend on climatic conditions.</li> </ul>
<b>Safety Precautions</b>	<ul style="list-style-type: none"> <li>Always keep paint out of reach of children.</li> <li>Ensure good ventilation during application and drying.</li> <li>If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.</li> <li>Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.</li> <li>Harmful if swallowed. Seek medical attention and do not induce vomiting.</li> <li>Do not smoke while painting.</li> <li>Refer to Material Safety Data Sheet for complete information.</li> </ul>
<b>Shipping Weight</b>	<p>UN Shipping No: 1263</p> <p>Dual Packs: 5 ℓ - 6,344kg (<b>PEX 7101</b>); 1 ℓ - 0,943kg (<b>PEH 77</b>)</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.

**N.B.** 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.

**N.B. TO ORDER:** Quote product name, product code number, packaging and colour.

### KANSAI PLASCON (PTY) LIMITED

#### CAPE TOWN:

P O Box 42  
Eppindust 7475  
Tel: (021) 505-2400  
Fax: (021) 534-3791

#### DURBAN:

Private Bag X16  
Mobeni 4060  
Tel: (031) 451-3200  
Fax: (031) 451-3411

#### GAUTENG:

P.O. Box 4010  
Luipaardsvlei 1743  
Tel: (011) 951-4500  
Fax: (011) 955-2841

#### PORT ELIZABETH:

P O Box 1594  
Port Elizabeth 6000  
Tel: (041) 401-1400  
Fax: (041) 453-4606