

PLASCOTUFF EPOXY COAL TAR

PRODUCT CODE: EPD 100 Base & Curing Agent (Dual Pack)

TECHNICAL DATA SHEET

Product Description	Two components (base & curing agent), coal tar pitch modified amine cured epoxy coating.																													
Intended uses	Used as an economical thick film anti-corrosive coating for mild steel and galvanised steel. Suitable for hard wearing areas such as chequer plate or grid type flooring in chemical plants, exterior pipe coatings etc. Also used for immersion conditions in water and sewerage installations																													
Features & Benefits	<ul style="list-style-type: none">Protects structural steel in corrosive environments.Can be applied by brush or roller making it suitable for application in difficult areas.																													
Product Information	Colour	Black																												
	Appearance	Gloss																												
	Volume solids	66 %																												
	Recommended DFT	70 – 90 µm																												
	Recommended WFT	106 – 136 µm																												
	Theoretical Spreading Rate	8.3 m²/L at stated volume solids and 80 µm DFT																												
	VOC	298 g/L																												
	Flash Point	Base: 27 °C, Curing agent: 9 °C, Mixed paint: 9 °C																												
Application Details	Mixing	6 parts Base EPD 100 to 1 part Curing agent KAT 517 by volume. Mix both components individually using a power mixer then add together base and curing agent and mix until homogenous. The mixture must be allowed to stand for at least 20 minutes before use. Mix only sufficient material for the area to be coated within the next 3 - 4 hours. Material becomes un-usable after about 8 hours at 23°C.																												
	Method	<u>Airless spray:</u> Tip Size 0.015” - 0.019”, Nozzle pressure 2500-3500 psi. <u>Conventional spray:</u> Tip size 2 mm, Nozzle pressure: 40 - 60 psi. <u>Brush or roller:</u> Using this method of application will result in a lower DFT being achieved.																												
	Thinning	Thinning is not recommended for Brush and Roller, the material once mixed and having stood for 20 minutes is ready for use. For spray application thin as required with G.P. EPOXY REDUCER (EPT 1)																												
	Cleaning	Do not allow the material to cure on brushes and tools.																												
	Pot Life	Clean all working tools immediately after use with G.P. EPOXY REDUCER (EPT 1) 8 hours 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 min. 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 min. above dew point															
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Storage and Packaging	<p>Store away from direct sun, heat and severe cold. Shelf life: 12 months. Dual Packs: 20L unit - Base 17.14L in a 20L container, Curing Agent 2.86L in a 5L container. 5L unit - Base 4.29L in a 5L container, Curing Agent 0.715L in a 1L container.</p>
Surface Preparation	<p>Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:1992.</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 (GR1) followed by clean water rinses. Dust and debris not to exceed 0, 3% when tested in accordance with SANS test method 769. Soluble chloride content may not exceed 75mg per m². 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 or mechanically abrade to Grade ST 3 of ISO 8501-1:2007. Prime with PLASCOTUFF EPOXY PRIMER GREY (PEX 3004). 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 STEEL:</p> <ul style="list-style-type: none"> Preferred surface preparation: Sweep blast using Garnet Mica 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 obtained.
Application	<ul style="list-style-type: none"> Apply two coats of PLASCOTUFF EPOXY COAL TAR (EPD 100) to primed surfaces at the recommended DFT.
Caution	<ul style="list-style-type: none"> Not suitable for potable water. The painted surfaces should be shielded from direct sunlight during overcoating periods to avoid chalking which will affect intercoat adhesion. This coating will chalk on exterior exposure.
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 Base 20L - 23,67kg, Curing agent 5L - 2,65kg Base 5L - 5,924kg, Curing agent 1L - 0,930kg</p>

DISCLAIMER:

The recommendations contained herein are given in all 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,
Factoria, 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