

PLASCOTUFF 5000 HIGH BUILD EPOXY

PRODUCT CODE: PEX 5000 Series (Base) & PEH 5 (Catalyst)

TECHNICAL DATA SHEET

Product Description	A highly modified two component chemically resistant epoxy barrier coat.																													
Intended Uses	<ul style="list-style-type: none">• PLASCOTUFF 5000 is used in mining, installations and chemical plant application, providing excellent abrasion resistance.• Designed to provide long term corrosion protection for interior use only.• Can also be used for immersion conditions i.e. IM 2 and IM 3																													
Features & Benefits	<ul style="list-style-type: none">• Cures in cold damp conditions and will cure when immersed in water• Excellent corrosion resistance• A high film build can be obtained when applying a single coat																													
Product Information	Colours	Black (PEX 5002) and selected colours via tinting system																												
	Tint Bases	PET 5001, PET 5003																												
	Appearance	Gloss																												
	Volume solids	85%																												
	Recommended DFT	200 – 500 µm.																												
	Recommended WFT	235 – 588 µm																												
	Theoretical Spreading rate	2.8 m ² /L at 300 µm DFT. at stated volume solids																												
	VOC	183 g/L																												
	Flash Point	Base: 15 °C, Catalyst: 27 °C, Mixed paint: 15 °C																												
Application Details	Mixing ratio	4 parts of PEX 5000 (Base) to 1 part of PEH 5 (Catalyst) by volume.																												
	Mixing	Stir both components separately with a power mixer until homogeneous. Add the Catalyst to the base and mix thoroughly together. Mix only in proportions shown above. Do not split packs																												
	Method	<u>Airless spray:</u> Recommended Tip size: 0.021” – 0.025” Nozzle pressure: 172 – 207 bar (2.500 –3000 p.s.i.) <u>Conventional Spray (Pressure Pot):</u> Recommended: Gun DeVilbiss MBC or JGA or Air Cap 62 Fluid Tip AC <u>Brush:</u> Min. 100 µm Max. 125 µm can be achieved. <u>Roller:</u> Min. 75 µm Max. 100 µm can be achieved.																												
	Thinner	Not normally required. Can be thinned with EPOXY REDUCER (EPT 2) if necessary.																												
	Cleaner	EPOXY REDUCER (EPT 2)																												
	Pot life	2.5 hours @ 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															
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Storage & Packaging	Store away from direct sun, heat, open flames, sparks or severe cold. Shelf life: 12 months Dual Packs: 2 L unit: 16 L in a 20 L container Base (PEX 5000), 4 L in a 5 L container Catalyst (PEH 5) 5 L unit: 4 L in a 5 L container Base (PEX 5000), 1 L in a 1 L container Catalyst (PEH 5)																													

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Surface Preparation	<p>All surfaces to be coated should be clean, dry and free from contamination.</p> <p>Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2007.</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. Soluble chloride content may not exceed 75mg 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 PLASCOTUFF 5000 prior to application of PLASCOTUFF 5000 series Surface preparation is abrasive blast cleaned to Sa 2½ and Sa 3 (for immersed conditions) of the International Standard ISO 8501-1:2007 to achieve a blast profile 50 - 75 µm. If oxidation occurs the entire oxidised area should be re-blasted to the standard specified above.
Application	<ul style="list-style-type: none"> Apply 2 coats at the recommend DFT
Caution	<ul style="list-style-type: none"> For Interior use only, will chalk and yellow on outdoor exposure. Will not cure adequately below 5 °C. For maximum performance curing temperature should be above 10 °C For total immersion, tinted versions of PLASCOTUFF 5000 should not be used
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: 20 L - 30,22 kg (PEX 5000), 5L - 4,436 kg (PEH 5)</p> <p>Dual Pack: 5 L - 7,646 kg (PEX 5000), 1L - 1,169 kg (PEH 5)</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.

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.

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

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