

PLASCOTUFF EPOXY MIO INTERMEDIATE COAT

PRODUCT CODE: PEX 125 Base & PEH 125 Curing Agent

TECHNICAL DATA SHEET

Product Description	A high build, two component polyamide epoxy, containing micaceous iron oxide																									
Intended Uses	<ul style="list-style-type: none">As a high build barrier coating for the protection of mild steel in aggressive conditions.For use as an abrasion resistant travel coat for shop coated mild steel.																									
Features & benefits	<ul style="list-style-type: none">An intermediate coat where extended over coating intervals are anticipated.Can be used directly over inorganic zinc silicate primers or on to abrasive blast cleaned steel.																									
Product Information	Colours	Natural Mio - Light grey																								
	Appearance	Matt																								
	Volume solids	60%																								
	Recommended DFT	100 – 150 µm per coat																								
	Recommended WFT	167 – 250 µm per coat																								
	Theoretical Spreading rate	4.8 m²/L at 125 µm DFT. at stated volume solids.																								
	VOC	250 g/L																								
	Flash point	> 27 °C for both components and mixed paint.																								
Application Details	Mixing	4 parts PEX 125 to 1 part PEH 125 by volume. Stir both components separately with a power mixer until homogeneous. Add the hardener to the base and mix thoroughly together. Mix only in proportions shown above.																								
	Method	<u>Airless spray</u> : Recommended Tip Size: 0.019” – 0.025”, Nozzle pressure: 172 - 210 bar (2500-3000 psi.) <u>Conventional Spray (Pressure pot)</u> : Gun : DeVilbiss MBC or JGA, Air Cap 704 or 765, Fluid Tip : E <u>Brush</u> : Suitable for touch-up of small areas and or stripe coating only. <u>Roller</u> : Suitable Use EPOXY REDUCER (EPT 2) where necessary.																								
	Thinner	EPOXY REDUCER (EPT 2)																								
	Cleaner	EPOXY REDUCER (EPT 2)																								
	Pot life	6 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.: 35 °C</td><td>Max.: 35 °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.: 35 °C	Max.: 35 °C	Max.: 85%	Or 3 °C above dew point												
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Storage and Packaging	Store away from direct sun, heat, open flames, sparks or severe cold. Shelf life: 12 months Dual Packs:- <u>20L unit</u> : 16L in a 20L container Base (PEX 125), 4L in a 5L container Curing Agent (PEH 125) <u>5L unit</u> : 4L in a 5L container Base (PEX 125), 1L in a 1L container Curing Agent (PEH 125)																									

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Surface Preparation	<p>MILD STEEL:</p> <ul style="list-style-type: none"> PLASCOTUFF MIO is designed for application to surfaces primed with PLASCOGUARD (PEX 75), PLASCOZINC (PZI 233, PZO 3), and PLASCOTUFF (PEX 3000) products. 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 75mg per m². Dust and debris not to exceed 0, 3% when tested in accordance with SANS test method 769. If the shop primer shows extensive or widely scattered breakdown, overall sweep blasting will be necessary. Suitable Final Coats: Polyurethane Acrylics, Epoxies and Pure Acrylics. <p>ZINC PRIMED SURFACES:</p> <ul style="list-style-type: none"> Ensure Inorganic Zinc Ethyl Silicate Primers and or Epoxy Zinc Rich Primers are cured before over-coating (ASTM D4752 Type 4). Zinc primers must be free from zinc salts before over coating. A mist coat will seal an inorganic zinc surface prior to a full coat being applied.
Cautions	<ul style="list-style-type: none"> Will not cure adequately below 5 °C. For maximum performance curing temperature should be above 10 °C.
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 Material Safety Data Sheet for complete information.
Shipping Weight	<p>UN Shipping No: 1263</p> <p>Dual pack: 20L - 32,25kg Base(PEX 125), 5L - 8,156kg Curing Agent (PEH 125)</p> <p>Dual Pack: 5L - 8,156kg Base (PEX 125), 1L - 1,1kg Curing Agent (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.

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