



PLASCOSAFE 18 PRIMER

PRODUCT CODE: EMS 18

TECHNICAL DATA SHEET NO: PC-24-A

DATE: JUNE 2010

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

Product Description	• A single pack waterborne, anti-corrosive primer for metal and other substrates													
Intended Uses	• PLASCOSAFE 18 PRIMER (EMS 18) is a universal primer • A good anti-corrosive primer for abrasive blast cleaned steel. • Provides adhesion to galvanised steel. • An excellent barrier coat between incompatible coating systems.													
Features	• Anti-corrosive properties • Accepts a wide range of topcoats, both solvent borne and waterborne. • Non-toxic pigmentation.													
Product Information	Colour	Red Oxide												
	Volume solids	35 – 39 %												
	Recommended DFT	Min: 50 µm Max: 60 µm D.F.T.												
	Theoretical Spreading Rate	13.15 m ² /ℓ at 50 µm D.F.T.												
	Calculated max VOC	26 g/ℓ												
	Flashpoint	Non flammable												
Application Details	Mixing	Stir thoroughly with a flat paddle until homogeneous.												
	Method	Spray or Brush												
	Thinner	Not normally recommended												
	Cleaner	For conventional spray application thin 5% Maximum with water. Water – Clean immediately after use before product dries.												
	Application Environment	<table><tr><th>Surface Temp.</th><th>Ambient Temp.</th><th>Relative Humidity</th></tr><tr><td>Min: 10 °C</td><td>Min: 10 °C</td><td>Min: 10 %</td></tr><tr><td colspan="3">Or 2°C min above dew point</td></tr><tr><td>Max: 40 °C</td><td>Max: 40 °C</td><td>Max: 85 %</td></tr></table>	Surface Temp.	Ambient Temp.	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	Or 2°C min above dew point			Max: 40 °C	Max: 40 °C	Max: 85 %
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Max: 40 °C	Max: 40 °C	Max: 85 %												
	Drying time	Touch dry 1 h at 25 °C Min Recoating times 8 h at 25 °C for waterborne topcoats 16 h at 25 °C for solvent borne topcoats. Dry to handle 4 h at 25 °C												
Storage and Packaging	Store away from direct sun, heat and severe cold. Packaging: 5 ℓ and 25ℓ.													



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Surface Preparation	<ul style="list-style-type: none">• STEEL:• 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.• Areas of breakdown, damage or weld seams should be prepared to the specified standard and patch primed prior to application of Plascosafe 18 Primer.• Preferred surface preparation is abrasive blast cleaned to Sa 2½ of the International standard ISO 8501-1:1988 to achieve a blast profile 30 - 50 microns or mechanically abrade to Grade St 3 ISO 8501-1:1988.• 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.• GALVANISED:• 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.• Areas of breakdown, damage or weld seams should be prepared to the specified standard and patch primed prior to application of PLASCOSAFE 18 PRIMER (EMS 18).• Preferred surface preparation is Sweep blast using Garnet Mica to achieve a blast profile of 30 – 40 micrometers (µm.) or if sweep blasting is not possible, clean surface area using PLASCON GALVANISED IRON CLEANER (GIC 1) and rinse obtaining water break free surface.
Application	<ul style="list-style-type: none">• Apply PLASCOSAFE 18 PRIMER (EMS 18) by appropriate method (see Application Details) to required D.F.T.• Allow recommended drying times before overcoating.
Cautions	<ul style="list-style-type: none">• Do not apply at temperatures below 10 °C or if the temperature is liable to fall below 10 °C during the 4 hours following application or during wet weather conditions.• In cool weather conditions allow additional drying time before overcoating.• Not suitable for use on aluminium surfaces.
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	UN Shipping No: Packing: 25 ℓ - 24,48 kg Packing 5 ℓ - 6,12 kg

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.

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