

NEW WORK/REPAINT: NEW WORK – Waterproofing Inner Gutter Sections

SUBSTRATE: Mild Steel – Gutters

PAINT FINISH: Plascon Plascoguard Pitch Coating
(Dual pack epoxy tar waterproofing coating) **PRODUCT CODE: EPD 100**

COLOUR: Black (EPD 100)

ENVIRONMENT: **The Maintenance Cycle is a guide but can vary due to micro-climate changes identified on the site which will affect the longevity of the coating system**

As per ISO 12944: Maintenance Cycle (Years)

C1 -	Inland	6
C3 -	Industrial	6
C5 -	Coastal / Marine	6

Plascon Coating System	Application Method	Spreading Rate m ² /ℓ	WFT/DFT μm (min & max)	Reducer/Cleaner	Overcoating time h @ 23 °C	Technical Data Sheet No	TVOC g/ℓ
Primer Plascotuff 3000 (PEX 3005/PEH 3)	B, R or S	5.3 m ² /ℓ	WFT 125- 250 DFT 100–200	EPT 2	Min 16 hrs Max: 2 weeks See Notes below	PEX 3000	
1st Finishing Coat Plascotuff Epoxy Coal Tar - Black (EPD 100/ KAT 518) Mixing Ratio 6:1 by volume	B, R or S	@ 80 μm Theo: 7.4 Prac: 5	WFT 118-153 DFT 70-90	GP Epoxy Reducer (EPT 1)	24 min 4 weeks max	EPD 100	298
2nd Finishing Coat Plascoguard Pitch Coating - Black (EPD 100/ KAT 518) Mixing Ratio 6:1 by volume	B, R or S	@ 80 μm Theo: 7.4 Prac: 5	WFT 118-153 DFT 70-90	GP Epoxy Reducer (EPT 1)	24 min 4 weeks max	EPD 100	298

SURFACE PREPARATION:

Degrease

- ^ Surfaces must be clean, dry and rust free. Remove surface contaminants using Plascon Aquasolv Degreaser (GR 1), scrubbing with bristle brush or broom, or using Scotch Brite pads. Rinse thoroughly with tap water while brushing or hydroblast to remove all traces of Plascon Aquasolv Degreaser (GR 1) to achieve a water break-free surface. Dry surface rapidly to prevent flash rust formation. Cleaned surface must be painted within 4 hours.

Rusted

- ^ Rust Grade "B" (Steel surfaces which has begun to rust which the millscale has begun to flake).
- ^ Rust Grade "C" (Steel surfaces where millscale has rusted away)
- ^ Rust Grade "D" (Steel surface where millscale has rusted away and pitting is visible to the naked eye).
- ^ After degreasing sand off rust with coarse emery paper or wire brush to ISO 8501 - 01: 2007 – St 3 to attain a bright metal finish. Remove dust.

Millscale

- ^ Rust Grade "A" steel surface covered completely with adherent millscale and with little or if any rust., Remove millscale and rust by abrasive blast cleaning to ISO 8501 - 01 : 2007 – Sa 2½. Remove dust by vacuum cleaning. Prime within 4 hours.
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APPLICATION:

PLEASE NOTE POWER MIXING IS ESSENTIAL BEFORE USE FOR PRODUCT CONSISTENCY

Primer Coat:

- ^ Apply one coat of Plascon Plascotuff 3000 Series (PEX 3005 Aluminium/PEH 3) Premix both components of the Plascon Plascotuff 3000 Series (PEX 3005 Aluminium/PEH 3) using a power mixer for 3 minutes and then apply (preferably) by brush to a minimum DFT of 100–200 µm or WFT of 125–250 µm @ a theoretical spread rate of 5.3 m²/ℓ. Allow 16 hours to cure.

NOTE: OVER COATING TIME

"should the primer be left for long periods surface contaminates should be washed off using a sugar soap solution and if high temperatures have been experienced sanding or Scotch Brite pads should be used to provide a key for good inter-coat adhesion of top coats."

Finishing Coats

- ^ Always mix a complete unit in the base and curing agent/hardener proportions as supplied. Stir both base and curing agent with a flat paddle until homogenous. Then add curing agent to base and mix thoroughly. Allow to stand for 30 minutes, then use mixed material within 8 hours.
 - ^ Apply one coat of Plascon Plascotuff Epoxy Coal Tar - Black (EPD 100) at a WFT of 118-153 µm to achieve a continuous film. Allow 24 hours, but not more than 4 weeks to dry.
 - ^ Apply a final coat of Plascotuff Epoxy Coal Tar - Black (EPD 100) at a WFT of 118-153 µm.
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TABLE REFERENCES:

- ^ Technical Data Sheet (TDS): User must always ensure that latest issue is used.
- ^ B = Brush (ready for use), R = Roller (synthetic, min. 10mm pile) (ready for use), S = Airless spray (ready for use).
- ^ Theoretical spreading rate quoted is for smooth non-porous substrates and does not include allowance for surface profile, porosity, wastage and uneven film application. Suitable allowance should be made according to type of work, method and skill of applicator. Practical spreading rate quoted is an average guide only - actual must be determined by user.
- ^ Overcoating times are at 23 °C and 75 % relative humidity. Longer times must be allowed under cooler and moist conditions. DO NOT paint during inclement weather and when temperature is below 10 °C.
- ^ Fading and chalking will occur to a greater or lesser degree depending on pigmentation and generic binder type.
- ^ NB: Life expectancy may vary, depending on environmental conditions and stresses, within the macro/micro climate of the project.

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