

NEW WORK/REPAINT: NEW WORK - EXTERIOR - ROOFS

SUBSTRATE: Galvanised Iron

PAINT FINISH: Crown Roof Paint
(Weather resistant acrylic roof coating) **PRODUCT CODE: CRP**

COLOUR: Standard colours

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	4
C3 -	Industrial	3
C5 -	Coastal	3

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 Plascon Plascosafe 18 Primer (EMS 18)	B, R or S	@ 55 μm Theo: 6.7 Prac: 4.4	WFT 135-162 DFT 50-60	Water	WB topcoat: 8 SB topcoat: 16	EMS 18	53.5
1st Finishing Coat Crown Roof Paint (CRP)	B, R or S	@ 42.5 μm Theo: 5.9 Prac: 3.5	WFT 140-200 DFT 35-50	Water	2	CRP	< 20
2nd Finishing Coat Crown Roof Paint (CRP)	B, R or S	@ 42.5 μm Theo: 5.9 Prac: 3.5	WFT 140-200 DFT 35-50	Water	2	CRP	< 20

SURFACE PREPARATION:

GALVANISED IRON IN GOOD CONDITION

- ^ Apply Plascon Galvanised Iron Cleaner (GIC 1) to all bare Galvanised areas by brush, broom or spray. Allow to react for 1 minute. Rinse off with tap water using bristle brooms, brushes or Scotch Brite pads to remove all surface contaminants. Test area for water-break free surface. If not, repeat the cleaning process. Allow to dry completely.

OLD GALVANISED IRON PARTIALLY RUSTED

- ^ Where the Zinc has been depleted the corroded areas must be prepared to ISO 8501-1: 2007 St 3 (bright metal finish, e.g. mechanical wire brushing). Patch Prime using Plascon Plascotuff 3000 (PEX 3004 Grey/PEH 3 Mixing ratio 4:1 by volume) to a DFT of 100–200 µm or WFT of 125–250 µm @ a theoretical spread rate of 5.3 m²/ℓ.
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APPLICATION:

Primer Coat

- ^ Prime the entire surface with Plascon Plascosafe 18 Primer (EMS 18) to achieve a continuous film. Allow 8 hours drying time (water based topcoat) or 16 hours drying time (solvent based topcoat).

Finishing Coats

- ^ Apply two full coats of Crown Roof Paint (CRP) to achieve complete obliteration, allowing 2 hours drying between coats.
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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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