

**NEW WORK/REPAINT:** NEW WORK - EXTERIOR – ROOFS

**SUBSTRATE:** Galvanised Iron

**PAINT FINISH:** Plascon Plascothane Roof Coating  
Premium quality acrylic roof paint with infrared reflective technology

PRODUCT CODE: **PRC**

**COLOUR:** Selected Colour Range

**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	12
C3 -	Industrial	12
C5 -	Coastal / Marine	12

**PLEASE NOTE:**

**1 km from the coast or Industrial areas with acid rain and chemical fallout – if this specification is used in these areas then the Life Expectancy will be reduced to 7 years because of primer selection.**

Plascon Coating System	Application Method	Spreading Rate m <sup>2</sup> /ℓ	WFT/DFT μm (min & max)	Reducer/Cleaner	Overcoating time h @ 23 °C	Technical Data Sheet No	TVOC g/ℓ
<b>Primer</b> Plascon Epiwash Strontium Chromate Primer (AW 255/KAT 508) <b>Mixing ratio 1:1 by volume</b>	B or S	@ 25 μm Theo: 9.6 Prac: 5.1	WFT 83-125 DFT 20-30	GP Epoxy Reducer (EPT 1) Or Epiwash Thinner (TH 128)	4 2 weeks max	AW 255	618
<b>1<sup>st</sup> Finishing Coat</b> Plascon Plascothane Roof Coating (PRC/KAT 400 Hardener) <b>Mixing Ratio 4:1 by volume</b>	Airless Spray B, R	@ 85 μm Theo: 4.7 Prac: 3.2	WFT 175-250 DFT 70-100	AW 260	1 min 1 week max	PRC	

**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 or brushes or Scotch Brite pads to remove all surface contaminants. Check if surface is water break-free. If not, repeat process. Allow to dry completely.

**Old Galvanised iron partially rusted:**

- ^ 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 or brushes or Scotch Brite pads to remove all surface contaminants. Check if surface is water break-free. If not, repeat process. Allow to dry completely. Then mechanically wire brush or hand sand rust areas to bright metal. Remove dust. Spot prime areas where rust has been removed with **Plascon Plascotuff 3000 – PEX 3004 PEH 3**. Allow 16 hours to dry.
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**APPLICATION:**

**PLEASE NOTE POWER MIXING IS ESSENTIAL BEFORE USE FOR PRODUCT CONSISTENCY**

**Primer Coat**

- ^ Apply one coat of Plascon Epiwash Strontium Chromate Primer (AW 255) to achieve a continuous film. Allow minimum 4 hours to dry.

**Finishing Coat**

**PLEASE NOTE: POWER MIXING IS ESSENTIAL OF BASE AND HARDENER BEFORE USE FOR PRODUCT CONSISTENCY**

- ^ Apply one full coat of Plascon Plascothane Roof Paint (PRC/KAT 400 Hardener) by airless spray to achieve complete obliteration and a minimum film build of 70µm dry film thickness.

**NOTE: THIS COATING MAY BE APPLIED BY BRUSH OR ROLLER IN TWO COATS ALLOWING 1 HOUR @ 23 °C BUT NO LONGER THAN 1 WEEK BETWEEN COATS. A MINIMUM DFT OF 35 µm PER COAT MUST BE ACHIEVED.**

- ^ Use Polyurethane Thinner AW 260 for cleaning equipment.
  - ^ Wet film readings must be taken continuously.
  - ^ Use the same batch for the final coat on any continuous flat surface i.e. half a roof.
  - ^ Do not paint surfaces when the temperature is less than 10 °C or above 55 °C.
  - ^ Do not paint in the early morning or late afternoon when dew may be present on the surface or during inclement weather.
  - ^ During summer months, it is not advisable to paint during the heat of the day, since temperatures may be too high and cause bubbling in the applied paint. PRC 10 Retarder Thinner may be added when high substrate temperatures are prevalent.
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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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