

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

**SUBSTRATE:** CHROMADEK

**PAINT FINISH:** Plascon Plascothane Roof Coating  
(Surface tolerant epoxy over coated with Plascon Polyurethane  
Roof Paint for extended corrosion protection  
Up to 1km from coast or industrial fallout areas

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

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 Plascontuff 3000 series (PEX 3004 Grey/ PEH 3 Hardener) <b>Mixing Ratio: 4:1 by volume</b>	Airless Spray, R or B	5.3 m <sup>2</sup> /ℓ @ 153 μm	DFT 100-200 WFT 125-250	EPT 2	16 min 2 weeks max <b>See Notes below</b>	PEX 3000	
<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:**

Chromadek/Factory roof sheeting **older than 5 years** should be assessed and treated as a Redec specification and not New Work

**ADHESION TEST – CROSS HATCH TEST TO ISO STANDARD – ISO 2409: 2013**

- ^ Conduct random Cross Hatch tests. 90 % pass rate must be achieved. If the pass rate is not achieved, the coating needs to be stripped.

**CLEANING WITH SUGAR SOAP**

- ^ Scotch Brite entire area with Polycell Sugar Soap solution – 500 g Polycell Sugar Soap Powder (501703) dissolved in 5 litres water to remove chalkiness and surface contaminants providing a key for painting. Rinse thoroughly with tap water and allow drying.

**SELLOTAPE TEST FOR CLEANLINESS:**

- ^ Cut a 10-15 cm strip of broad Sellotape (+/-50 mm) and using your thumb, press it down firmly onto the dry surface.
  - ^ Rip the tape off the surface and immediately stick it down on a sheet of clean, white paper.
  - ^ Check the tape for any discolouration/chalky deposit and if found to be present, the entire cleaning procedure must be repeated.
  - ^ Contaminant free tape must be evident prior to the application of the coating system.
  - ^ Ensure that surfaces are clean, dry and sound
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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 3004 Grey/PEH 3) Premix both components of the Plascon Plascotuff 3000 Series (PEX 3004 Grey/PEH 3) using a power mixer for 3 minutes and then apply (preferably) by airless spray to a minimum DFT of 100–200 µm or WFT of 125-250 µm @ a theoretical spread rate of 5.3 m<sup>2</sup>/ℓ. Allow 16 hours to dry.

**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.”**

**APPLICATION: continued**

**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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