

NEW WORK/REPAINT: NEW WORK – EXTERIOR – ROOFS
UP TO 1 KM FROM THE COAST, INCLUDING INDUSTRIAL FALLOUT AREAS AND SHEETS WHERE THE GALVANIZING IS DEPLETED AND TOTALLY RUSTED

SUBSTRATE: Metals - Galvanized Iron

PAINT FINISH: Plascon Nuroof Cool Acrylic Roof Paint PRODUCT CODE: **TRP 200**
(Premium quality acrylic roof paint with infrared reflective technology)

COLOUR: As per standard colour card

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	10
C3 - Industrial	10
C5 - Coastal / Marine	10

PLEASE NOTE: This specification is for areas up to 1 km from the coast or Industrial areas with acid rain and chemical fallout

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 Plascotuff 3000 series (PEX 3005 Aluminium / PEH 3 Hardener) Mixing Ratio: 4:1 by volume	Airless Spray, R or B	@ 150 μm Theo: 5.3 Prac: 3.8	WFT 125-250 DFT 100-200	EPT 2	16 min 2 weeks max See Notes below	PEX 3000	
1st Finishing Coat Plascon Nuroof Cool Acrylic Roof Paint (TRP 200)	B, R or S	@ 42.5 μm Theo: 8.5 Prac: 5	WFT 100-140 DFT 35-50	Water	2	TRP 200	40
2nd Finishing Coat Plascon Nuroof Cool Acrylic Roof Paint (TRP 200)	B, R or S	@ 42.5 μm Theo: 8.5 Prac: 5	WFT 100-140 DFT 35-50	Water	2	TRP 200	40

SURFACE PREPARATION:

Galvanized Iron in good condition:

- ^ Apply Plascon Galvanized Iron Cleaner (GIC 1) to all bare Galvanized 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 Galvanized Iron totally rusted:

- ^ Remove rust and old paint (if painted), to ISO 8501-1: 2007 St 3 (bright metal finish) using mechanical wire brushing which is water cooled (use a garden hose with water if water-cooled wire brushing machine is not available. This will prevent the galvanizing from being removed by red hot wire brushes).
 - ^ Replace badly corroded sheets where the steel has been depleted.
 - ^ Faulty or badly corroded roof screws would need to be replaced. All roof screws need to be cleaned and then primed with Plascon Plascotuff 3000 Series (PEX 3005 Aluminium/PEH 3). Seal using Plascon Professional Waterproofing Compound (PWC 520) before overcoating.
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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 airless spray 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 dry.

Finishing Coats

- ^ Apply two full coats of Plascon Nuroof Cool Acrylic Roof Paint (TRP 200) 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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