

NEW WORK/REPAINT: NEW WORK – INTERIOR / EXTERIOR

SUBSTRATE: Metals - Galvanized Iron

PAINT FINISH: Plascon Waterbased Velvagio (Smooth finish – water based, superior medium satin finish waterbased enamel) **PRODUCT CODE: VLW**

COLOUR: White plus Plascon colour system and other fan decks.

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 12944-2:1998 Maintenance Cycle (Years)

C1 -	Inland	7
C3 -	Industrial	5
C5 -	Coastal / Marine	5

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 Plascon Waterbased Velvagio (VLW/TVW)	B, R or S	@ 35 μm Theo: 9.7 Prac: 5.5	WFT 88-118 DFT 30-40	Water	4	VLW	46-50 white, pastel tinted < 53-60 deep & transparent bases tinted
2nd Finishing Coat Plascon Waterbased Velvagio (VLW/TVW)	B, R or S	@ 35 μm Theo: 9.7 Prac: 5.5	WFT 88-118 DFT 30-40	Water	4	VLW	46-50 white, pastel tinted < 53-60 deep & transparent bases tinted

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 partially rusted:

- ^ 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.
 - ^ 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 Series (PEX 3004 Grey/PEH 3 Hardener) Allow 16 hours to dry.
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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 Plascon Waterbased Velvagio (VLW/TVW) to achieve complete obliteration, allowing 4 hours drying between coats.
NB: if white is used, three coats might be necessary to achieve obliteration.
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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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