

SPECIFICATION SHEET NO: **RD419b**

NEW WORK/REPAINT: REPAINT – EXTERIOR / INTERIOR – DEMARCATION LINES

SUBSTRATE: Concrete

PAINT FINISH: Thermoplastic Road Marking Paint
Single pack, solvent free coating for road marking
and runway surfaces
(Good night time visibility and skid resistance, lead free with excellent adhesion properties)

PRODUCT CODE: TTP 1 & 2

COLOUR: TTP 1 = White
TTP 2 = Yellow

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) depending on traffic

C1 -	Inland	4
C3 -	Industrial	4
C5 -	Coastal / Marine	4

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
Finishing Coat Plascon Thermoplastic Road Marking Paint (TTP 1, 2)	Heated airless spray	@ 1750 μm Theo: 3.6 kg/m ² Prac: 3.9 kg/m ²	WFT 1500-2000 DFT 1500-2000	Heat	DTNP: 2-5 mins @ 1750 μm	TTP 1, 2	0

SURFACE PREPARATION:

- ^ Ensure surfaces are clean, dry and sound.
- ^ **Oil contamination:** Remove by applying Plascon Aquasolv Degreaser (GR 1) with a bristle brush or broom to affected areas. Allow to react for 20 minutes. Scrub off thoroughly with tap water and brush/broom to remove all traces of oil and Plascon Aquasolv Degreaser (GR 1).
- ^ Vacuum shot blast surface to a medium profile to remove laitance and curing aids. Ensure surface is clean, dry and sound.
- ^ Moisture levels must not exceed 5 % when using a Doser Hygrometer B 4 scale (or equivalent) before painting.

OR

- ^ High speed diamond grind surface to remove laitance and curing aids. Vacuum entire area.
 - ^ Moisture levels must not exceed 5 % when using a Doser Hygrometer B 4 scale (or equivalent) before painting.
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APPLICATION:

Finishing Coat

- ^ Pre-heat 20kg meltable bags in a vessel fitted with mechanical agitation and temperature control between 180-200 °C. Transfer to a heated airless spray. Do not exceed a temperature of 200 ° C for more than 30 minutes.
- ^ Apply one coat between 1500-2000 µm wet film thickness.

Note: In order to obtain surface reflection, additional silane coated or silicone free glass beads can be dropped on.

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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