

Trimite Plastilac® AE265

Two Pack Polyurethane Finish

- Description** A two pack polyurethane finish for Glass Reinforced Phenolic composites, which has low smoke and low toxic fume emissions in the event of a fire.
- Finish** A range of gloss levels is available to customers' requirements.
- Features**
- AE265 is part of a coating system, formulated to maintain the low smoke and low toxic fume emission of GR Phenolic (Glass Reinforced Phenolic) composites in the event of a fire. The approved primer is Trimite Plastilac® AP211.
 - For interior use in the Mass Transit Industry.
 - Has excellent graffiti resistance and colour and gloss retention.

Complies With When used in conjunction with an approved phenolic resin matrix and metal substrate, indicative test results were as follows:

BS476-6:1989 – S <12 s, 1 < 6.	Pass Class 0.
BS476-7:1987	Pass Class 1.
BS6853:1987 Appendix B 5.2, 3 Metre Cube Smoke Test	Pass Category 1.
NF F 16-101 (French Fire Testing)	Pass M ₁ F ₁ .

Product Code -/AE265/- .

Volume Solids Varies with colour and gloss level, please consult Trimite.

VOC's Varies with colour and gloss level, please consult Trimite.

Colour Range Shade range to customers' requirements.

	<u>Dry</u>	<u>Wet*</u>	<u>Approx. Coverage*</u>
Film Thickness & Coverage	Strong/Dark colours: 25 µm	60 µm	7 - 9 m ² /l
	Pastel colours: 50 µm	110 µm	4 - 6 m ² /l
	Refer to Main Contractor's Specification for further detail.		

* The above wet film thickness and approximate coverage rate (for conventional spray) will vary with colour and the degree of thinning. Wet film thicknesses are approximate and are based on the typical degree of thinning recommended under 'Application Details'.

Actual coverage varies considerably with factors including surface porosity, roughness, application methods and conditions.

Drying & Overcoating Times The preferred method for curing in all instances is Force Drying. If close gloss tolerances are required in short production cycles, air drying is NOT recommended and force drying should be used.

GR Phenolic: following a flash-off period of 30 – 45 min, a typical curing schedule would be 1 to 2 hours at 60° – 70°C. (Heavier mouldings may require longer times).

Aluminium & Mild Steel: following a flash-off period of 30 – 45 min, a typical curing schedule would be 1 to 2 hours at 60° – 70°C. (Heavier fabrications may require longer times).

TECHNICAL DATA SHEET**Trimite Plastilac® AE265****Two Pack Polyurethane Finish**

Surface Preparation	<ul style="list-style-type: none">• Apply over a suitable priming system, such as:<ul style="list-style-type: none">○ GR Phenolic: use AF208 Paste Filler followed by AP211 Epoxy Primer.○ Aluminium: use SAP2 Etch Primer followed by AP45 Epoxy Primer.○ Mild Steel: use AP45 Epoxy Primer.• Please consult Trimite for detailed project advice.
Mixing	Mix each component separately, and then thoroughly mix together in the mix ratio stated, using a power mixer. Stir occasionally during use to maintain an homogenous mix.
Pot Life at 20°C	8 hours (do not use after this time, even though material may still look fluid).
Mix Ratio	Base 5 volumes Activator J2451 1 volume.
Application Conditions	Throughout the application and the drying/curing time of coatings: (a) good ventilation is required; (b) do not apply when damp weather conditions are likely; (c) the substrate temperature should be at least 3°C above the Dew Point; and (d) the RH (Relative Humidity) should be below 85%. It is advisable not to apply the product when the ambient temperature falls below 5°C. The paint temperature at the time of application should ideally be 15° - 20°C.
Application Details	<ul style="list-style-type: none">• Designed for application by conventional spray/HVLP.• Conventional spray: up to 30% PT1002 Thinner may be used in the mixed material, to gain a viscosity of 20 - 30 sec (BS B4 cup).• Contains isocyanates – the mixed product and the curing agent contain isocyanates (the base does not). Refer to base and curing agent Safety Data Sheets before use.• The configuration of components being painted varies considerably and this may result in increased gloss levels, when low sheen products are used, due to the film thickness applied. Gloss level tolerances should be agreed with the original specifying authority.• The stringent fire and smoke requirements specified, particularly for underground mass transit vehicles, require applicators to adhere to strict film thicknesses. Excessive film thickness could render the system non-compliant to the specifiers requirements. Consult Trimite for further advice.
Thinner/Cleaner	Trimite PT1002 Thinner (for thinning and cleaning).
SG	1.30 ± 0.15 kg/l.
Flash Point	23° – 60°C.
Shelf Life	Min. 1 year from date of delivery when correctly stored in unopened containers.
Storage	The product should be stored in cool, dry, frost-free conditions, in sealed containers. Most paint materials will apply optimally when at 15° - 20°C.
Health & Safety	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
Date of Issue	Jan 2024.

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