

**TECHNICAL DATA SHEET**

# Trimite Plastilac® AE245

## Two Pack Polyurethane Finish

<b>Description</b>	A two pack polyurethane-acrylic finish, for steelwork, various plastics and general use.
<b>Finish</b>	Gloss – available in all gloss levels from Matt to Full Gloss.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Provides a finish with excellent colour and gloss retention in exterior environments.</li> <li>• Excellent durability, hardness, water and chemical resistance.</li> <li>• Suitable for a wide range of substrates.</li> <li>• Can be used for a wide range of industrial applications on steel, plastic and non-ferrous metals.</li> <li>• A Clear Lacquer version is available as Trimite Plastilac® AV245.</li> </ul>
<b>Complies With</b>	Please consult Trimite.
<b>Product Code</b>	<b>-/AE245/-</b> .
<b>Volume Solids</b>	Varies widely with gloss level and colour, please consult Trimite.
<b>VOC's</b>	Varies widely with gloss level and colour, please consult Trimite.
<b>Colour Range</b>	Wide colour range available.

<b>Film Thickness &amp; Coverage</b>	<b>Typical DFT:</b>	<b>Dry</b> 25 µm	<b>Wet*</b> 50 µm	<b>Approx. Coverage*</b> 8 - 9 m <sup>2</sup> /l
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\* The above wet film thicknesses and approximate coverage rates (for conventional spray) will vary with colour, gloss level 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.

<b>Drying &amp; Overcoating Times at Typical DFT</b>		<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
	Surface Dry:	30 min	15 min	5 min
	Hard Dry:	8 h	4 h	2 h
	Overcoat Min*:	8 h	4 h	2 h
	Overcoat Max*:	10 days	7 days	3 days

**Force Drying:**

Can be force dried at up to 80°C, following a flash-off period of 5 min.

\* not normally overcoated. Overcoating times are given for guidance only, please consult Trimite for detailed advice.

Drying and overcoating times can be greatly affected by method and conditions of application such as thickness applied, temperature, ventilation etc. Data above are given as a guide.

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<b>Surface Preparation</b>	<ul style="list-style-type: none"><li>• All surfaces to be coated should be dry and cleaned as necessary to remove all contamination.</li><li>• <b>Plastics:</b> the substrate must be thoroughly clean and free from mould release agents and static charges. Owing to the sensitivity of many plastics to certain solvents, Trimite Antistatic Cleaner <b>J131</b> should be used. It may be necessary to use a suitable static eliminator immediately prior to painting.</li><li>• <b>Metals:</b> apply over a suitable primer. Please consult Trimite for advice.</li></ul>
<b>Mixing</b>	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.
<b>Pot Life at 20°C</b>	8 hours (do not use after this time, even though material may still look fluid).
<b>Mix Ratio</b>	Base                    5 volumes Activator            1 volume (use <b>J2451 activator</b> )
<b>Application Conditions</b>	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.
<b>Application Details</b>	<ul style="list-style-type: none"><li>• Designed for application by conventional spray.</li><li>• For conventional spray, add up to 2 parts by volume of PT1002 Thinner to the mixed material, to obtain a viscosity of 25-30 seconds using a BS B4 viscosity cup.</li><li>• Consult Trimite for specific project application advice.</li><li>• <b>Contains isocyanates</b> – the mixed product and the curing agent contain isocyanates (the base does not). Refer to base and curing agent Safety Data Sheets before use.</li></ul>
<b>Thinner/Cleaner</b>	Trimite PT1002 (as Thinner and Cleaner).
<b>SG</b>	1.20 ± 0.20 kg/l mixed (varies with colour and gloss level).
<b>Flash Point</b>	23° – 60°C.
<b>Shelf Life</b>	Min. 1 year from date of delivery when correctly stored in unopened containers.
<b>Storage</b>	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.
<b>Health &amp; Safety</b>	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
<b>Date of Issue</b>	Jan 2024.

Information provided in this leaflet is given in good faith but without warranty or assumed liability, as the conditions of application and use are beyond our control. Data are accurate to the best of our knowledge at the time of issue but may be revised in the light of new knowledge and the user should check that data are current before use. The user must satisfy themselves about the product's suitability for their own purpose and refer to the Safety Data Sheet for this product before use. For industrial or professional use only unless specifically stated otherwise.