TrimaThane AE245

Two Pack Polyurethane Finish

Description

A two pack polyurethane-acrylic finish, for steelwork, various plastics and general use.

Finish

Gloss – available in all gloss levels from Matt to Full Gloss.

Features

- Provides a finish with excellent colour and gloss retention in exterior environments.
- Excellent durability, hardness, water and chemical resistance.
- Suitable for a wide range of substrates.
- Can be used for a wide range of industrial applications on steel, plastic and non-ferrous metals.
- A Clear Lacquer version is available as TrimaThane AV245.

Complies With

Please consult Trimite.

Product Code

-/AE245/-.

Volume Solids

Varies widely with gloss level and colour, please consult Trimite.

VOC's

Varies widely with gloss level and colour, please consult Trimite.

Colour Range

Wide colour range available.

Film Thickness & Coverage

	Dry	Wet*	Approx. Coverage*
Typical DFT:	25 µm	50 µm	8 - 9 m^2/l

* 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.

Drying & Overcoating Times
at Typical DFT

	10°C	20°C	30°C
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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Surface Preparation	• All surfaces to be coated should be dry and cleaned as necessary to remove all contamination. • **Plastics:** 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 J131 should be used. It may be necessary to use a suitable static eliminator immediately prior to painting. • **Metals:** apply over a suitable primer. Please consult Trimite for 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 20ºC	8 hours (do not use after this time, even though material may still look fluid).
Mix Ratio	Base 5 volumes Activator 1 volume (use **J2451 activator**)
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 3ºC 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 5ºC. The paint temperature at the time of application should ideally be 15º - 20ºC.
Application Details	• Designed for application by conventional spray. • 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. • Trimite MP6040 Slow Thinner may be used as an alternative to PT1002 where extended wet edge time is required. • Consult Trimite for specific project application advice. • **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.
Thinner/Cleaner	Trimite PT1002 (as Thinner and Cleaner); MP6040 Slow Thinner.
SG	1.20 ± 0.20 kg/l mixed (varies with colour and gloss level).
Flash Point	23º – 60ºC.
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 15º - 20ºC.
Health & Safety	Refer to the product's Safety Data Sheet and safety advice on the product label before use.
Date of Issue	Aug 2026.

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