

TECHNICAL DATA SHEET

TrimaThane D00294-series

Paint, Finishing, Near Matt Two Pack Polyurethane IRR Air Drying, Spraying To Specification Def Stan 80-225

Description	A high solids, low VOC, solvent based two pack polyurethane finish, designed for use on military vehicles and ground equipment. When used over an appropriate primer, the finishing scheme satisfies the infra-red (IRR) camouflage requirements of DEF STAN 00-023 and the Chemical Agent Resistance Coating (CARC) requirements of NATO Standard AEP-65 and STANAG 4360.
Finish	Near Matt.
Features	• Excellent durability. • Resistant to chemicals and hydraulic fluids. • Easy to apply, no thinning required. • High solids formulation, low VOC's. • Consistent, near matt finish.
Complies With	DEF STAN 80-225 and STANAG 4360.
Product Code	See Colour Range below.
Volume Solids	Please consult Trimite.
VOC's	Please consult Trimite.
Colour Range	NATO Green (285) (D00294) - Black (D00341) Grey Beige RAL1019 (D00355) - Light Stone (361) (D00347) EURO NATO Green RAL6031(D00359) - Tan (F/S 33446) (D00357) UK Army Brown (D00386) - Brown (D00387) Dk Sandstone Camouflage (F/S 33510) (D00389) Polish Green PL6031 (D00402) - Coyote Brown 81613E (D00403) Khaki Grey (D00405 – non-IRR)

Film Thickness & Coverage	Typical DFT:	<u>Dry</u>	<u>Wet*</u>	<u>Approx. Coverage*</u>
		45 µm	90 µm	7 - 8 m²/l
* The above wet film thicknesses and approximate coverage rates will vary with colour and the degree of any thinning. Wet film thicknesses are approximate.				

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
		2 h	1 h	30 min
	Hard Dry:	16 h	8 h	4 h

Force Drying:

Can be force dried at up to 80°C for a maximum of 60 minutes, following a flash-off period of at least 60 minutes at 25°C, but air-dry is recommended for large components.

Not normally overcoated – consult Trimite for advice.

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Surface Preparation	- All surfaces to be coated should be dry and cleaned as necessary to remove all contamination. - Apply over a suitable primer. Please consult Trimite for advice – typically specified: Steel and Light Alloys: TrimaThane D00383 Paint, Primer, Two Pack Polyurethane, Zinc Phosphate to DEF STAN 80-225 Type 1 and Type 2.
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	4 hours (do not use after this time, even though material may still look fluid).
Mix Ratio	Base (D00294, or other shade) 2 volumes Activator (use TrimaThane D00335) 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	- Designed for application by conventional spray or HVLP spray. - Paint is supplied to be ready for use when mixed, without thinning. 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 133 Gun Cleaner (as cleaner).
SG	1.40 ± 0.20 kg/l mixed (varies with colour and gloss level).
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	Oct 2026.

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.