

TrimaThane AE265A & AB

Two Pack Polyurethane Finish – Aerospace Grades

Description	Two pack polyurethane finishes with low smoke and toxic fume emissions, for interior components used in the aerospace industry.								
Finish	Available in a range of gloss levels, including metallic finishes.								
Features	- Can be applied as either a smooth or spatter coat and exhibits excellent chemical and graffiti resistance. - Two versions are available: AE265A - satisfies the aerospace test requirements listed below. AE265AB - as AE265A, but with additional antimicrobial resistance in accordance with ISO 22196/JIS Z 2801.								
Complies With	When used with the appropriate priming scheme, it is capable of meeting the following flammability test requirements for aerospace interior parts to PS ANM 25.853-01 R2: - Flammability F1 CS 25.853 (a) amdt 19 App. F Part 1 a& b - Heat Release F7 CS 25.853 (d) amdt 19 App. F Part 4 e & g - Smoke Density F8 CS 25.853 (d) amdt 19 App F Part 5 a & b - Toxic Gas Emission F10 ABD 0031 Issue G. The end user is responsible for ensuring the product, and process in using the product, complies with all the required regulations associated with the end use of the coated articles.								
Product Code	-AE265A/- and -AE265AB/- .								
Volume Solids	Varies with colour and gloss level, please consult Trimite.								
VOC's	Varies with colour and gloss level, please consult Trimite.								
Colour Range	Wide shade range to customers' requirements.								
Film Thickness & Coverage	Typical:	<table><tr><td><u>Dry</u></td><td><u>Wet*</u></td><td><u>Approx. Coverage*</u></td></tr><tr><td>25 µm</td><td>60 µm</td><td>7 - 9 m²/l</td></tr></table>	<u>Dry</u>	<u>Wet*</u>	<u>Approx. Coverage*</u>	25 µm	60 µm	7 - 9 m²/l	To satisfy the fire and smoke requirements, a finishing coat maximum dry film thickness of 40 microns (with a total system DFT not exceeding 80 microns) is recommended. * 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.
<u>Dry</u>	<u>Wet*</u>	<u>Approx. Coverage*</u>							
25 µm	60 µm	7 - 9 m²/l							
Drying & Overcoating Times	The preferred method for curing in all instances is Force Drying. Composites, Aluminium & Mild Steel: following a flash-off period of 30 - 45 min, a typical curing schedule would be 1 - 2 hr at 60° – 70°C.								

TECHNICAL DATA SHEET

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Surface Preparation	- Apply over a suitable priming system, such as:.. Composites: the surface should be degreased with Trimite J131 Anti-Static Cleaner. In cases where a degree of porosity exists, TrimaThane AF208 Paste Pore Filler is recommended to enhance the scheme's appearance. Then prime with TrimaKote AP211A Aerospace Grade Two Pack Epoxy Primer. Aluminium: TrimaEtch SAP2 Etch Primer (or Surtec 650 pretreatment process), followed by TrimaKote AP211A Aerospace Grade Two Pack Epoxy Primer. Mild Steel: TrimaEtch SAP2 Etch Primer, followed by TrimaKote AP211A Aerospace Grade Two Pack 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). Keep Activator can sealed when not in use.	
Mix Ratio	Base (AE265A or AE265AB) Activator J2451	5 volumes 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/HVLP. - Conventional spray: up to 25% 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.	
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	Sep 2026.	

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