

# Trimite AE54

## Two Pack Rapid Cure Polyurethane High Solids Finish

<b>Description</b>	A two pack polyurethane finish with rapid curing properties, for metal and general use.
<b>Finish</b>	Full Gloss and other finishes to customers' requirements.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Specially designed for application by plural mix spray equipment.</li> <li>• Designed for construction and materials handling OEM and repair finish.</li> <li>• Provides a finish with excellent colour and gloss retention in exterior environments.</li> <li>• Excellent durability, hardness, water and chemical resistance.</li> </ul>
<b>Complies With</b>	Please consult Trimite.
<b>Product Code</b>	-/AE54/-.
<b>Volume Solids</b>	Varies with gloss level and colour, please consult Trimite.
<b>VOC's</b>	Varies with gloss level and colour, please consult Trimite.
<b>Colour Range</b>	Shades to customers' requirements.

<b>Film Thickness &amp; Coverage</b>	<b>Typical DFT:</b>	<b>Dry</b> 40 µm	<b>Wet*</b> 75 µm	<b>Approx. Coverage*</b> 12 - 13 m <sup>2</sup> /l
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\* The above wet film thickness and approximate coverage rate 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</b> at Typical DFT		<b>10°C</b>	<b>20°C</b>	<b>30°C</b>
	Surface Dry:	40 min	20 min	10 min
	Hard Dry:	6 h	3 h	1½ h
	Overcoat Min*:	* see below		

**Force Drying:**

Can be force dried at up to 80°C, following a flash-off period of 15 min.

\* not normally overcoated, 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.

**TECHNICAL DATA SHEET****Trimite AE54****Two Pack Rapid Cure Polyurethane High Solids Finish**

<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>Apply over a suitable primer, such as: Trimaprime 70, Trimite HP20, Trimite AP45, Trimite APF45, Trimite AP210, Trimite APF210.</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>	1 hour (do not use after this time, even though material may still look fluid).
<b>Mix Ratio</b>	<b>PG6/23 Compliance 5-15 tonnes:</b> <i>Full Gloss and Semi Gloss Finishes:</i> Base 3 volumes Activator 1 volume (use <b>J5203</b> activator) <i>Eggshell and Matt Finishes:</i> Base 4 volumes Activator 1 volume (use <b>J5203</b> activator)
<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>Suitable for application by plural mix spray equipment, airless spray, air-assisted airless spray and electrostatic air-assisted airless spray. Use as supplied.</li><li>Recommended Tip Size: 9 – 13 thou; recommended Pressure 2500 – 3000 psi (for airless spray) or 1500 – 2500 psi (for air-assisted airless).</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 J103 Gun Cleaner (as cleaner).
<b>SG</b>	1.30 ± 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.