

## TransTower Urethane-Alkyd 1 Coat YF100

Product Description	A urethane-alkyd anticorrosive primer/finish for Transmission Towers. Contains anticorrosive pigment, MIO and other non-toxic pigmentation.				
Intended Use	<ul style="list-style-type: none"><li>For the anticorrosive protection of electricity Transmission Towers, gantries, bridges and tank externals</li><li>Designed to be moisture tolerant thus enabling application on to damp steelwork, in conditions similar to those found in early morning dew or after light showers</li><li>MIO pigmentation provides excellent barrier anticorrosive protection and intercoat adhesion</li></ul>				
Approvals/ Certification	Complies to EA Technology Specification for a Single Coat Alkyd based Paint for Overhead Line Towers, for use by UK Electricity Companies, Project T8354; 2018/19 - Assessed Protective Coating Suppliers List for the UK Electricity Transmission and Distribution Network Operators.				
Finish	Matt metallic				
Volume Solids	50 ± 2%				
VOC Content	387 ± 20 g/litre				
Film Thickness Range And Coverage		Dry Film Thickness	Wet Film Thickness	Theoretical Coverage	
	Minimum	120 µm	240 µm	4.1 m²/litre	
	Maximum	150 µm	300 µm	3.3 m²/litre	
	Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated – see Product Notes				
Drying Times	Applied to 120 microns DFT		+10°C	+23°C	+35°C
	Dust Free		6 hr	4 hr	2 hr
	Hard Dry		24 hr	16 hr	8 hr
	Overcoating	Minimum	12 hr	8 hr	6 hr
		Maximum	Indefinite if surface is clean and sound		
Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation					
Colours	Grey				
Product Code	30STTTOW-100				
SG	1.5 – 1.6 kg/ltr				
Storage Conditions	Store in dry, cool conditions and protect from frost				
Shelf Life	Minimum 12 months if stored as above in unopened containers				
Flash Point	23-60°C				

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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 oil, grease, salts or other contamination. Where necessary, remove weld spatter and grind smooth all sharp edges and weld seams</li> <li>Blast clean to Sa2½ (ISO 8501-1:2007), surface profile 50-75 microns</li> <li>Where blast cleaning is impractical the surface should be prepared to St2 (ISO 8501-1:2007) taking care to avoid 'polishing' the surface</li> <li>For surfaces other than bare Steel, please consult Axalta Coating Systems</li> </ul>				
<b>Mixing</b>	Must be mixed thoroughly before use. Product is designed to be highly thixotropic to allow high build application by brush.				
<b>Thinner</b>	DO NOT THIN <b>Equipment Cleaner</b> Thinner No.4 – TH120				
<b>Application Conditions</b>	Only apply in conditions of good ventilation which must be maintained during drying and curing. Do not apply when rain, mist, sleet or snow are imminent. During application and drying time of the paint coating, the surface should be dry, the Relative Humidity should not exceed 85% and the steel temperature should remain at least 3°C above the dew point.				
<b>Application Methods</b>	<b>Method</b>	<b>Airless Spray</b>	<b>Conventional Spray</b>	<b>Brush</b>	<b>Roller</b>
		Yes	No	Yes	No
	<ul style="list-style-type: none"> <li>This product is designed for brush application without thinning</li> <li>For airless spray application, please contact Axalta Coating Systems for advice</li> </ul>				
<b>Product Notes</b>	<p><b>System</b> For maximum corrosion resistance, it is recommended to apply 1 coat of YF100 to a dry film thickness of 120 - 150 microns.</p> <p><b>Practical Spreading Rate</b> Due to high volume solids of this primer, which are in accordance with the 1991 National Grid specifications, and also widely varying application conditions (ambient temperatures, wind velocities, contactor application techniques, losses etc.) practical spreading rates will vary and generally fall in the range of 2 - 4 sq.m. per litre.</p>				
<b>Health &amp; Safety</b>	Containers are provided with safety labels which should be observed. Further information about hazardous influences and protection are detailed in individual Product Safety Data Sheets. A Safety Data Sheet for this product is available on request from Axalta Coating Systems.				

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