



Approved Quality
Management System
AS/NZS ISO 9001:2008
Lloyds Register-Certificate
No. MEL 0927759

Technical Data Sheet
WEATHERSEAL TOPCOAT ACRYLIC

Description:	An acrylic based topcoat designed to provide protection against the effects of weathering in outdoor environments.
Composition:	A two component system consisting of a copolymer acrylic epoxy based resin blend and a copolymer acrylic amine hardener.
Characteristics:	<ul style="list-style-type: none"> • Good chemical resistance to mineral acids, alkalis, salts and solvents • Good impact and abrasion resistance • Excellent water resistance and gloss retention • Accommodates substrate vibration and movement • High temperature resistance (up to 120°C continuous service) • Mixing ratio 1:1, A:B by volume • Can be applied by brush, sponge or airless spray <p>spray settings: - pressure at nozzle 11 to 18 MPa - nozzle tip 0.38 - 0.53 mm - spray angle 20 – 60° - thin with 5% solvent - maintain clean filters</p> <ul style="list-style-type: none"> • Handling times @23°C: pot life - 4 hours, touch dry - 2.5 hours, Re-coat –10 h minimum • Wet film thickness (WFT) per coat: 100 - 200 µm • Dry film thickness (DFT) per coat: 60 - 150 µm • Theoretical coverage rate: 9.7 - 3.8 m²/L • Cleaners/thinners: epoxy thinners, xylene based thinners • Does not contain isocyanates • Colours: white and grey, others by special arrangement
Uses:	Used as a final topcoat for the Denso Steelcoat 700 corrosion protection system to help guard against ultraviolet radiation and give a glossy durable finish with aesthetic appeal.
Surface Preparation & Application:	<p>The substrate must be clean and dry. Clean surface contamination with fresh water and detergents.</p> <p>Surface temperature of substrates must be at least 5°C, and 3°C above the dew point of the air with the relative humidity being measured in the vicinity of the substrate. Pre-heat surface if required. Use in well ventilated areas. Component A to be separately mixed to a homogenous material.</p> <p>Brush or Roller : Add the hardener to the base and mix until a constant colour is achieved making sure all sides of container are scraped. Apply the required microns thickness. A wet film thickness gauge is used to measure microns thickness applied during each coat.</p> <p>Spray: The equipment should be an airless spray unit. Applicator should consult with Denso regarding recommended equipment. Spray technique should be used to achieve a thickness of 85 µm. Use a wet film thickness gauge to measure the microns of thickness applied during each coat.</p> <p>For best intercoat adhesion subsequent recoating should occur prior to curing of the preceding coat. If cure time is exceeded then it may be necessary to lightly abrade the coating surface to provide a key for the next coat.</p>



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Recommended Temperatures:	Application: + 5 to + 50°C Service: 0 to + 120°C Peak: + 140°C				
Shelf Life: Storage:	48 months when stored at 23°C and in original containers. Store in a cool, dry area away from heat and direct sunlight.				
Available Sizes: Product Code:	10 L Kit A310021G (Grey), A310021W (White)				
Physical Properties:	Test	Test Method	Units	Value	
	Solids Content	ISO 3233	%v/v	58 ± 2	
	Gloss Level (GU 60°)	ISO 2813	Gloss	70-85	
	Flash Point	ISO 3679	°C	28 ± 2	
	Volatile Organic Compounds	ISO 11890-1	g/L	347	
	<u>Drying and Curing Times</u>				
	Touch dry	@5°C @10°C @23°C @40°C	-	hrs	6 4 2.5 2
Dry to Overcoat (minimum)	@ 5°C @10°C @23°C @40°C			25 20 10 5	
Limitations:	Do not alter mixing ratio. Relative humidity must be 10-85%, and temperature at least 3°C above dew point during application. Equipment should be cleaned with solvent cleaner (xylene:butanol, 19:1) MEK, acetone or xylene as soon as possible. Safety goggles and rubber gloves are recommended. Avoid prolonged contact with skin. In case of contact with eyes, immediately flush with water for at least 15 minutes and seek prompt medical attention.				
Precautions:	When spraying use a ½ face respirator with minimum A1P2 filters or similar. Ensure adequate ventilation. Do not take internally. Keep out of reach of children. Follow precautions found in any available Safety Data Sheets, product labels and technical literature.				