



# LEIGHS C755V2

## PRODUCT TECHNICAL DATA

<b>FULL DESCRIPTION</b>	: LEIGHS C755V2 HIGH PERFORMANCE PRIMER/FINISH		
<b>MATERIAL TYPE</b>	: Two pack Isocyanate and zinc free anti-corrosive primer/finish		
<b>RECOMMENDED USE</b>	: As a protective finish for galvanized steel and galvatite surfaces, where retention of gloss is required, and the use of isocyanate products is precluded or undesirable.		
<b>RECOMMENDED APPLICATION METHODS</b>	: Airless Spray : Brush ( for small areas and touch up only )		
<b>COLOUR AVAILABILITY</b>	: Limited range		
<b>FLASH POINT</b>	: Base : 23°C		Additive : 23°C
<b>% SOLIDS BY VOLUME</b>	: 55 ± 3% (ASTM-D2697-91)		
<b>V.O.C.</b>	: 354 gms/litre determined practically in accordance with UK Regulations PG6/23 : 396 g/ltr calculated from formulation in accordance with EC Solvent Emissions Directive : 266 g/kilo content by weight from formulation to satisfy EC SED		
<b>TYPICAL THICKNESS</b>	<b>Dry film thickness</b> : 150 microns	<b>Wet film thickness</b> : 278 microns	<b>Theoretical coverage</b> : 3.67 m <sup>2</sup> /ltr*
	* This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.		
<b>PRACTICAL APPLICATION RATES- microns per coat</b>	<b>Airless Spray</b>	<b>Brush #</b>	
	: Dry 150*	: 75	
	: Wet 278	: 139	
	* Maximum sag tolerance typically 250µm dry by airless spray. # The actual thickness within the quoted range will depend on many variables including ambient conditions, types of brush used and operator expertise.		
<b>AVERAGE DRYING TIMES</b>	<b>At 15°C</b>	<b>At 23°C</b>	<b>At 35°C</b>
<b>To touch</b>	: 2½ hours	: 1¼ hours	: ¾ hour
<b>To recoat</b>	: 7½ hours	: 3¾ hours	: 2¼ hours
<b>To handle</b>	: 18 hours	: 9 hours	: 6 hours
	These figures are given as a guide only. Factors such as air movement and humidity must also be considered.		
<b>RECOMMENDED THINNER</b>	: Cleanser/Thinner No. 5		
<b>RESISTANCE TO</b>	Moisture - Good Acid spillage - Moderate Alkali spillage - Moderate	Aliphatic solvents - Moderate Abrasion - Moderate Weather - Excellent	
<b>RECOMMENDED TOPCOATS</b>	: Indefinitely self-overcoatable		
<b>POT LIFE</b>	: 6 hours at 15°C	: 4 hours at 23°C	: 3 hours at 35°C
<b>PACKAGE</b>	: A two component material supplied in separate containers to be mixed prior to use		
<b>Pack Size</b>	: 20 litre units and 1600 litre units when mixed		
<b>Mixing Ratio</b>	: 7 parts base to 1 part additive by volume		
<b>Weight</b>	: White 1.501 kg/litre (may vary with shade).		
<b>Shelf Life</b>	: 12 months from date of batch manufacture or 'Use By' date where specified.		

**SURFACE PREPARATION:**

Galvanized Steel – Specialist blast clean or degrease followed by application of Leighs L703 Mordant Wash.

Galvatite – Degrease then lightly abrade

Ensure surfaces to be coated are clean, dry and free from all surface contamination.

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**APPLICATION EQUIPMENT:****Airless Spray**

Nozzle Size : 0.33mm (13 thou)  
Fan Angle : 40°  
Operating Pressure : 211kg/cm<sup>2</sup> (3000 psi)

The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions will vary from job to job, it is the applicators' responsibility to ensure that the equipment in use has been set up to give the best results. If in doubt Sherwin-Williams should be consulted.

**Brush**

The material is suitable for brush application to small areas and touch up only. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

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**APPLICATION CONDITIONS AND OVERCOATING:**

This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, ie 80-85% good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point and always above 0°C.

At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired.

Application at ambient air temperatures below 5°C is not recommended.

Components coated with Leighs C755V2 High Performance Primer/Finish should be protected from weather for 48-72 hours after application, depending on conditions. Consult Sherwin-Williams if in doubt.

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**ADDITIONAL NOTES:**

Drying times, curing times and pot life should be considered as a guide only.

The curing reaction of epoxies commences immediately the two components are mixed, and since the reaction is dependent on temperature, the curing time and pot life will be approximately halved by a 10°C increase in temperature and doubled by a 10°C decrease in temperature.

For optimum gloss, force dry to achieve a substrate temperature of 50-60°C for a minimum of 30 minutes.

**Epoxy Coatings – Tropical Use**

Leighs C755V2 at the time of mixing should not exceed a temperature of 35°C. At this temperature the pot life will be approximately halved. Use of this product outside its pot life may result in inferior adhesion properties even if the material appears fit for application. Thinning the mixed product will not alleviate this problem.

The maximum air and substrate temperature for application is 50°C providing conditions allow satisfactory application and film formation. If the air and substrate temperatures exceed 50°C and Leighs C755V2 is applied under these conditions, paint film defects such as dry spray, bubbling and pinholing etc. can occur within the coating.

Numerical values quoted for physical data may vary slightly from batch to batch.

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**HEALTH AND SAFETY:**

Consult Product Health and Safety Data Sheet for information on safe storage, handling and application of this product.

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Any person or company using the product without first making further enquiries as to the suitability of the product for the intended purpose does so at their own risk, and Sherwin-Williams can accept no liability for the performance of the product, or for any loss or damage arising out of such use.

The information detailed in this Data Sheet is liable to modification from time to time in the light of experience and of normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.