



# Protective & Marine Coatings

# SHERWIN™ M600 ALKYD PRIMER

FORMERLY KNOWN AS LEIGHS M600

Revised 04/2016 Issue 11

## PRODUCT INFORMATION

<b>PRODUCT DESCRIPTION</b>		<b>RECOMMENDED TOPCOATS</b>	
A quick drying single pack alkyd anticorrosive primer pigmented with zinc phosphate		Indefinitely overcoatable with a wide range of materials, including alkyd, chlorinated rubber and vinyl systems.	
<b>RECOMMENDED USE</b>		<b>PACKAGE</b>	
Protection of steel where speed of drying is important		A single component material	
<b>RECOMMENDED APPLICATION METHODS</b>		<b>Pack Size:</b>	20 litre and 5 litre units
Airless Spray Conventional Spray Brush ( for small areas and touch up only )		<b>Weight:</b>	1.35 kg/litre (may vary with shade).
<b>Recommended Thinner:</b> No 2		<b>Shelf Life:</b>	2 years from date of manufacture or 'Use By' date where specified.
<b>PRODUCT CHARACTERISTICS</b>			
<b>Flash Point:</b>	24°C		
<b>% Solids by Volume:</b>	44 ± 2% (ASTM-D2697-91)		
<b>Colour Availability:</b>	Limited range		
<b>VOC</b> 455 gms/litre determined practically in accordance with UK Regulations PG6/23 495 gms/litre calculated from formulation to satisfy EC Solvent Emissions Directive 368 gms/kilo content by weight from formulation, to satisfy EC Solvent Emissions Directive			
<b>TYPICAL THICKNESS</b>			
<b>Dry film</b> 75 microns	<b>Wet film</b> 171 microns	<b>Theoretical coverage</b> 5.8m <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>Conventional Spray</b>	
<b>Dry</b>	75*	75	
<b>Wet</b>	171	171	
* Maximum sag tolerance typically 224µm wet (125µm dry) by airless spray.			
<b>AVERAGE DRYING TIMES</b>			
	<b>@ 15°C</b>	<b>@ 23°C</b>	<b>@ 35°C</b>
<b>To touch:</b>	30 minutes	15 minutes	10 minutes
<b>To recoat:</b>	1 hour	45 minutes	30 minutes
<b>To handle:</b>	4 hours	3 hours	2 hours
These figures are given as a guide only. Factors such as air movement and humidity must also be considered.			



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### **SURFACE PREPARATION**

Blast clean to Sa2½ BS EN ISO 8501-1:2007. Average surface profile in the range 50-75 microns.

Manually prepared surfaces should be prepared to a minimum standard of ST3 BS EN ISO 8501-1:2007 at the time of coating. Ensure surfaces to be coated are clean, dry and free from all surface contamination.

### **APPLICATION EQUIPMENT**

#### **Airless Spray**

Nozzle size:	0.46mm (18 thou)
Fan Angle	80°
Operating Pressure:	140kg/cm <sup>2</sup> (2000 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 Leighs Customer Service Department should be consulted.

#### **Conventional Spray**

Nozzle size:	1.27mm (50 thou)
Atomising Pressure:	3.5kg/cm <sup>2</sup> (50 psi)
Fluid Pressure:	0.7kg/cm <sup>2</sup> (10 psi)

The details of atomising pressure, fluid pressure and nozzle size are given as a guide. It may be found that slight variations of pressure will provide optimum atomisation in some circumstances according to the set up in use. Atomising air pressure depends on the air cap in use and the fluid pressure depends on the length of line and direction of feed i.e. horizontal or vertical.

#### **Brush**

The material is suitable for brush application to small areas and for touch up purposes. To achieve normal dry film thicknesses by brush more than one coat will be necessary.

### **APPLICATION CONDITIONS AND OVERCOATING**

In conditions of high relative humidity, ie 80-85% good ventilation conditions are essential. Substrate temperature shall be at least 3°C above the dew point and always above 0°C.

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

### **ADDITIONAL NOTES**

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

### **HEALTH AND SAFETY**

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

### **WARRANTY**

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.