



LEIGHS M155 PRODUCT TECHNICAL DATA

Revised 08/2015 Issue 9

PRODUCT INFORMATION

PRODUCT DESCRIPTION

LEIGHS M155 MATT PROTECTIVE FINISH

Material Type: Quick drying alkyd anticorrosive protective/finish pigmented with zinc phosphate

RECOMMENDED USE

Protection of steel where speed of drying is important

RECOMMENDED APPLICATION METHODS

- Airless Spray
- Roller
- Brush (for small areas and touch up only)

Recommended Cleanser/Thinner: No 2

PRODUCT CHARACTERISTICS

Flash Point: 28°C

% Solids by Volume: 54 ± 2% (ASTM-D2697-91)

Colour Availability: Limited range

VOC

410 gms/litre determined practically in accordance with UK Regulations PG6/23
 418 gms/litre calculated from formulation to satisfy EC Solvent Emissions Directive
 281 gms/kilo content by weight from formulation, to satisfy EC SED

TYPICAL THICKNESS

Dry film thickness	Wet film thickness	Theoretical coverage
75 microns	138 microns	7.2 m ² /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.

PRACTICAL APPLICATION RATES -

MICRONS PER COAT

	Airless Spray	Roller	Brush
Dry	75*	75	40
Wet	138	138	74

* Maximum sag tolerance typically 125µm dry by airless spray

AVERAGE DRYING TIMES

	@ 15°C	@ 23°C
To touch:	30 minutes	15 minutes
To recoat:	1½ hours	1 hour
To handle:	6 hours	4 hours

These figures are given as a guide only. Factors such as air movement and humidity must also be considered.

RECOMMENDED PRIMERS / TOPCOATS

Indefinitely overcoatable with a wide range of materials including alkyd, chlorinated rubber and vinyl systems.

PACKAGE

Single component material

Pack Size: 1000 litre, 200 litre, 20 litre and 5 litre units

Weight: 1.46 kg/litre (may vary with shade)

Shelf Life: 2 years from date of manufacture or 'Use By' date where specified



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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: 0.38mm (15 thou)

Fan Angle: 80°

Operating Pressure: 155kg/cm² (2200 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.

Roller

The material is suitable for roller application.

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 should 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

Drying times should be considered as a guide only. 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.