



Protective & Marine Coatings

SHERWIN™ L654 ALKYD FINISH

FORMERLY KNOWN AS METAGRIP L654

Revised 04/2016 Issue 10

PRODUCT INFORMATION

PRODUCT DESCRIPTION		AVERAGE DRYING TIMES	
A quick drying micaceous iron oxide paint		@ 15°C	@ 23°C
RECOMMENDED USE		To touch:	1½ hours 1 hour
Provides a tough hard wearing abrasion resistant functional coating for the protection of external steel work such as storage tanks, pylons, bridges etc., with good durability under industrial and coastal exposure conditions. Suitable for application in shop or on site.		To recoat:	6 hours 4 hours
ENDORSEMENTS		To handle:	24 hours 16 hours
Complies with BS5493:1977 - Table 4F - Type FF3D (except R8026 shade) Complies with British Gas Standard PS PA9 Approved by MOD/DRA to INT DEF STAN 80-178		These figures are given as a guide only. Factors such as air movement and humidity must also be considered.	
RECOMMENDED APPLICATION METHODS		RECOMMENDED PRIMERS	
Airless Spray Conventional Spray Brush Roller		Sherwin L489 Zinc Phosphate Primer Sherwin M600 Quick Drying Zinc Phosphate Primer	
Recommended Thinner: No 1		RECOMMENDED TOPCOATS	
PRODUCT CHARACTERISTICS		This material may be overcoated with a wide range of white spirit based undercoats and finishes.	
Flash Point:	Base : 37°C	PACKAGE	
% Solids by Volume:	60 ± 3% (ASTM-D2697-91)	A single component material	
Colour Availability:	Limited range of MIO shades	Pack Size:	20 litre and 5 litre units
VOC	358 gms/litre determined practically in accordance with UK Regulations PG6/23 360 gms/litre calculated from formulation to satisfy EC Solvent Emissions Directive 216 gms/kilo content by weight from formulation, to satisfy EC Solvent Emissions Directive	Weight:	1.68 kg/litre (may vary with shade).
TYPICAL THICKNESS		Shelf Life:	2 years from date of manufacture or 'Use By' date where specified.
Dry film	Wet film		
75 microns	125 microns		
		Theoretical coverage 8.0 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	Conventional Spay	Brush Roller
Dry	75*	75	75 60
Wet	125	125	125 100
* Maximum sag tolerance typically 167 µm wet (100µm dry) by airless spray.			



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SURFACE PREPARATION

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

APPLICATION EQUIPMENT

Airless Spray

Nozzle size:	0.53mm (21 thou)
Fan Angle	80°
Operating Pressure:	197kg/cm ² (2800 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.

Conventional Spray

Nozzle size:	2.18mm (86 thou)
Atomising Pressure:	4.6kg/cm ² (65 psi)
Fluid Pressure:	1.1 - 1.4kg/cm ² (15-20 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.

Roller

The material is suitable for roller application. Application of more than one coat may be necessary to give equivalent dry film thickness to a single spray applied coat.

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.

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

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

A slight colour difference can be anticipated between brush and spray applied areas and therefore mixed methods of application for the finishing coat are not recommended. Micaceous iron oxide is a natural product causing variation in shade between batches. This does not affect the protective properties.

If it is desired to overcoat outside the times stated on the data sheet, please seek advice of Sherwin-Williams.

ADDITIONAL NOTES

Any skin that may form on the surface of the paint in the container should be removed carefully to avoid the necessity of sieving the paint.

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.