



LEIGHS L703

PRODUCT TECHNICAL DATA

FULL DESCRIPTION	: LEIGHS L703 MORDANT WASH : TRANSGARD TG155		
MATERIAL TYPE	: Blue mordant solution.		
RECOMMENDED USE	: For application onto galvanized surfaces as a chemical pre-treatment to improve the adhesion of subsequent paint systems. When applied, this solution turns bright zinc surfaces black and this colour change can be used as an indicator that the chemical reaction has taken place and the surface is suitable for overcoating.		
ENDORSEMENTS	: Highways Agency Item No.155.		
RECOMMENDED APPLICATION METHODS	: Brush		
COLOUR AVAILABILITY	: Blue solution		
FLASH POINT	: 24°C		
V.O.C.	: 307 gms/litre determined practically in accordance with UK Regulations PG6/23 307 gms/litre calculated from formulation to satisfy EC Solvent Emissions Directive 301 gms/kilo content by weight from formulation, to satisfy EC SED		
PRACTICAL APPLICATION RATES	: 27.6 m ² /litre		
AVERAGE DRYING TIMES	At 15°C	At 23°C	At 35°C
To touch	: 1½ hours	: 1 hour	: 45 minutes
To recoat	: 3 hours	: 2 hours	: 1½ hours
To handle	: 3 hours	: 2 hours	: 1½ hours
	<i>These figures are given as a guide only. Factors such as air movement and humidity must also be considered.</i>		
RECOMMENDED CLEANSER	: Water – DO NOT THIN		
RECOMMENDED TOPCOATS	: Epigrip K267 MIO Finish : Topcoats must be applied within a maximum of 2 days after application of Leighs L703		
PACKAGE	: Single component material.		
Pack Size	: 5 litre polythene bottle.		
Weight	: 0.99 kg/litre.		
Shelf Life	: 2 years from date of manufacture or 'Use By' date where specified.		

SURFACE PREPARATION:

Degrease in accordance with SSPC-SP1 solvent cleaning using Envirogard W500 Degreaser. Weathered galvanizing should be abraded to remove the passivated surface. Where galvanizing has been exposed and zinc salt formation has occurred, the surface should be washed down with clean, fresh water to remove any soluble salts, then allowed to dry before application of this product.

APPLICATION CONDITIONS AND OVERCOATING:

Apply an even, flowing coat by brush and allow to dry. If the zinc surface fails to turn black this indicates that the pre-treatment has not been effective. This may be due to the galvanized surface being contaminated with grease, flux or other contaminants or to the presence of anti-white rust or wet storage stain treatment.

Before re-applying mordant solution, it will be necessary to remove any unreacted mordant solution and contaminants by solvent washing and abrading the surface.

Over application of mordant solution must be avoided as this results in a dense black powdery surface and in extreme cases there is a possibility of metallic copper plating out on the surface which will adversely affect the adhesion of subsequent coatings. For this reason, methods of application in which the applied thickness may be difficult to control e.g. dip or spray, are not recommended. In any case if there is any possibility of excess L703 pooling on galvanized surfaces, this must be removed by fresh water washing.

The mordant pre-treated surface should be overcoated before any contamination can occur, and in exterior weather conditions within a maximum of 2 days.

ADDITIONAL NOTES:

Drying times should be considered as a guide only.

The successful painting of galvanized surfaces is a specialised area and the choice of painting system over the mordant pre-treatment is critical. Please consult Sherwin-Williams for advice on the most appropriate paint systems for specific use.

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.

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.