

SURFACE PREPARATION:

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 : 65°
Operating Pressure : 250kg/cm² (3550 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.

Nozzle Size

Environmental legislation now requires paint to contain less solvent. When using high solids coatings like Epigrip M905 Winterfast Hi-Build Undercoat, painters must use finer spray tips than previously to compensate for the natural tendency towards over-application and to help achieve good wet film formation.

Brush

The material is suitable for brush application.

Roller

The material is suitable for roller application.

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 where there is a risk of ice formation on the substrate.

Due to the high solids content of this material, it is not normally possible to achieve at dry film thicknesses much less than 100 microns by brush application.

Development of satisfactory physical properties including hardness and abrasion resistance will be obtained within 24-48 hours at a temperature of 5°C. Optimum water and chemical resistance will be achieved when the material is fully cured.

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

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.

Compatibility - This product is fully compatible with Transgard TG116 (Item 116 standard temperature grade) and the two products may be interchanged within any specification requiring the use of Item 116, depending upon application conditions.

Epoxy Coatings - Colour Stability:

Variable colour stability is a feature of epoxy materials which tend to yellow and darken with age whether used on internal or external areas. Therefore any areas touched-up and repaired with the same colour at a later date may be obvious due to this colour change.

When epoxy materials are exposed to ultra-violet light a surface chalking effect will develop. This phenomenon results in loss of gloss and a fine powder coating at the surface which may give rise to colour variation depending on the aspect of the steelwork. This effect in no way detracts from the performance of the system.

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.