

Guide to Product Data Sheets

The technical data sheets are arranged by order of the product reference numbers (which refer to the specific or principal purpose of the product concerned). Each category of the different headings in the data sheets is now defined.

Product Description:

A broad description of the products including their principal properties, benefits and recommended areas of use.

Physical Properties:

The more important physical characteristics of the paint are listed.

Colour/Gloss Level:

The colours listed are standard shades, but no limitation is implied (products may be produced in other shades on request when justified by quantity). The appearance of the dry film is designated as Matt, Semi-gloss and Glossy.

Volume Solids:

This expresses the calculated solids content by volume of the product, and hence determines the relationship between wet and dry paint film thicknesses. In organic zinc coatings, this value is derived from practical measurement of the volume of dry coating remaining after deposition of a known volume of wet paint.

Product Density:

The weight (in kilograms) of a litre of product at 20 °C.

Mixing Ratio:

Two pack products are supplied in the correct mixing ration proportions for proper curing and optimum performance. The ratio as indicated must be strictly adhered to especially if contents are subdivided

Pot Life:

For two pack products, the period after mixing that the product can be applied

Drying Time:

Refers to drying under well-ventilated conditions at 25 °C. Drying depends on solvent evaporation, For reactive paints a chemical process called curing takes place.

Touch Dry:

A light touch with the finger shows a tack condition but no paint is transferred to the finger.

Hard Dry:

The film is dried through and maximum pressure with the thumb does not mark the surface.

Recoat Interval:

As with drying, these intervals are related to temperature and the values quoted are all for over coating at 25 °C.

The minimum and maximum lengths of time allowed to elapse before over coating are indicated in hours or days. For some products these intervals are more critical than others, and it is always advisable to observe these strictly. If the maximum interval is exceeded, it may be necessary to roughen the surface to ensure adhesion of the next coat.

Flash Point:

This value is determined accordance to the Abel-Pesky (closed cup) method and is the lowest temperature at which the paint gives off sufficient vapour to form an ignitable mixture with air near the surface of the liquid.

Surface Preparation:

This category indicates the recommended degree of preparatory cleaning of the surface for designated exposure. Lesser standards of cleaning may be tolerated for less exacting service but there will always be a risk of failure and of shortening the lifetime of the coating.

Application Data:

This gives the recommended methods of applying the product as well as listing other possible methods.

Airless spray application data are usually given for those products for which this is the most commonly used method. The data include line output pressure and tip size to assist in selection of equipment.

Recommended film thickness: The dry film thickness required for optimum product performance is indicated - for some products this value is critical and deviations may affect performance.

The equivalent wet film thickness required to give the recommended dry film thickness is indicated to assist in application control.

Theoretical Spreading Rate: This is the theoretical coverage (in m²) of one litre of product to give the recommended dry film thickness.

For practical purposes, allowance must be made for filling up surface roughness, wastage and loss due to weather conditions (especially high winds) and these considerations may lead to differences of 25% or more from the Theoretical Rate.

Thinning and Cleaning:

The recommended Seahorse Thinners for cleaning all application materials or thinning (only if essential) is indicated.

DISCLAIMER: *The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data with out notice.*

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