

TECHNICAL PRODUCT DATASHEET

Mordant Solution Type 'T'

Highways England Item 155

A pre-treatment for galvanised steel to improve adhesion of subsequent coating systems.



PRODUCT INFORMATION

Coating type:

A blend of copper carbonate, phosphoric acid, water and alcohols complying with BR Specification for T-Wash. See BS 5493 Table 4N Section E.

Reference number:

150-23

Appearance:

Blue solution

Features and benefits:

- Improves the level of adhesion between primer and galvanising
- Assists with assessment of surface cleanliness prior to coating application
- Ease of application

TECHNICAL INFORMATION

Theoretical coverage:

20-25m² per litre

Sag tolerance:

200 microns wet film thickness

Film thickness:

Apply T-Wash sparingly ensuring the substrate turns and remains black when dry. Care must be taken not to apply excessively.

Drying time:

Temp.	Touch dry	Overcoat*
5°C	50-90mins	As soon as dry
10°C	40-80mins	
15°C	30-70mins	
20°C	20-60mins	

Drying time will vary with temperature, air movement, etc.

V.O.C.:

739g/ltr EPA Method 24
754g/ltr/kg calculated from formulation to satisfy EU Solvent Emissions Directive
May vary with colour

SURFACE PREPARATION

Paint preparation before use:

Ensure that the solution is stirred well before use, ensuring that the solution is fully homogenous.

Surface preparation:

Fresh water rinse to remove zinc salts and allow to dry. Degrease galvanised surface with Dacrylate Thinner R5

APPLICATION

Application conditions:

This material should preferably be applied at temperatures in excess of 10°C. Relative humidity should not exceed 90% and in these conditions good ventilation is essential. Substrate temperature should be at least 3°C above the dew point and always above 10°C.

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

Brush application:

Apply by brush to clean degreased surface and allow to dry. Avoid excess application and 'ponding'. After drying, excess T-Wash should be wet-cleaned and remove surplus T-Wash and allow to dry.

When dry, the galvanised surface should be 'blackened'. Any areas still showing a bright galvanised surface indicates presence of contamination. Lightly abrade these areas, degrease, and re-apply Mordant Solution.

On weathered galvanising the appearance after treatment may vary from Black to Light Grey.

Clean-up:

Clean all equipment after use with water. All surplus products should be disposed of in accordance with appropriate regional regulations/legislation.

STORAGE AND PACKAGING

Storage:

Under cover within temperature range of 5°C to 32°C. Keep containers dry and tightly sealed to avoid moisture contamination.

Shelf life:

12 months in unopened containers when stored under cover within a temperature range of 5°C to 32°C.

Packaging:

1L, 2.5L, 5L and 25L plastic containers

HEALTH AND SAFETY

Please refer to the following data sheets:

150-23 11059 Mordant Solution

All work involving the application and use of this product should be performed in compliance with all relevant national, health, safety & environmental standards, and regulations

ADDITIONAL NOTES

The application and spray information given above is intended as a guide only. As conditions vary from job-to-job, it is the applicators responsibility to ensure all equipment in use has been set up to give the best results.

IMPORTANT INFORMATION

The information supplied in this product datasheet is not intended to be exhaustive. Any person using the product for any other purpose than that specifically recommended in this product datasheet, without first obtaining written confirmation from Dacrylate Technical Services as to the suitability of the product for the intended purpose does so at their own risk. All advice given about the product is correct to the best of our knowledge, however we have no control over the condition of the substrate, preparation or the many factors affecting the use and application of the product. Therefore, unless specifically agreed in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product.

Dacrylate warrants its products to be free from defects in material and workmanship. Dacrylate's obligations and buyer's exclusive remedy relating to the products shall be limited, at Dacrylate's option, to either replace the products not conforming the warranty or the credit of the buyers account in the invoiced amount of the non-conforming product. Any claim under this warranty must be made by the Buyer to Dacrylate in writing within five (5) days of the Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. The Buyer's failure to notify Dacrylate of such non-conformance as required herein shall bar the Buyer from recovery under this warranty.

The information detailed in this datasheet is liable to modification from time-to-time in the light of experience and our programme of product development. Before use, it is the customers responsibility to check with Dacrylate Customer Services, quoting the product reference number and version reference at the bottom of the data sheet, to ensure that they have in their possession the latest issue.

Technical product datasheets are available from our website at www.dacrylate.co.uk, and should be the same as this datasheet. Should there be any discrepancies between this document and the website version, then please contact Dacrylate Customer Services.

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