

PRODUCT DATASHEET

RAPIDAC

High Build Metal Primers

PRODUCT INFORMATION

Reference Number:

13-LINE

Coating type:

Modified alkyd/zinc phosphate

Typical uses:

General purpose, high build, fast drying primers for steel.

Colours available:

Red Oxide Ref.: 13-90

Grey Ref.: 13-91

Appearance:

Low sheen

Features and benefits:

- Excellent anti-corrosion properties
- High build and sag tolerance
- Quick drying
- Ease of application

TECHNICAL INFORMATION

Theoretical coverage:

5.33 m² per litre at 75 microns dry film thickness

Film thickness:

	Wet film thickness	Dry film thickness
Typical:	190 microns	75 microns
Range:	125-250 microns	50-100 microns

Sag tolerance:

250 microns wet film thickness

V.O.C.:

509gm/ltr EPA Method 24

383gm/kg calculated from formulation to satisfy EU

Solvent Emissions Directive

May vary with colour.

% Volume solids:

40% calculated from laboratory formulation

May vary with colour.

Drying time:

Temp.	Touch dry	Firm dry	Overcoat
5°C	50 mins	2 hrs 30 mins	See notes
10°C	40 mins	2 hrs	See notes
15°C	30 mins	1 hr 30 mins	See notes
20°C	20 mins	1 hr	See notes

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

May be overcoated after 45 minutes or as soon as firm-dry with all white spirit based finishing coats (eg. Dacrylate Vehicle & Machinery Enamels).

Fast drying finishing coats based on stronger solvents (eg. Dacrylate QD3) should be overcoated when primer is firm-dry but within 2 hours, or allow primer to dry overnight and then it is recommended that the primer coating is lightly abraded to improve inter coat adhesion of white spirit based finishes.

SURFACE PREPARATION

Paint preparation before use:

Make sure that the paint is stirred well before use, making sure the bottom of the can is stirred as well to ensure the paint is mixed well until the paint is homogenous and has a good consistency.

Surface preparation:

All surfaces to be coated should be clean, dry, and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2000. Preferred method is abrasive blast to ISO 8501-1 (SA2.5).

Manual Clean:

Chip, scrape and wire brush to remove millscale, rust, etc. Degrease with Dacrylate Thinner R5.

Mixing ratio by volume:

N/A

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 0°C.

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

Airless spray:

Tip size: 13-15thou (0.33-0.38mm)

Tip pressure: Minimum 2000psi (137bar)

Conventional spray:

Tip size: 55 thou (1.4mm)

Tip pressure: 40-60psi (2.76-4.14bar)

Brush application:

Small areas and narrow sections can be brush applied. Apply with a full wet brush, do not attempt to 'brush out' or 'lay off'.

Roller application:

Preferably small areas only, multiple coats may be required to achieve required film thickness.

Thinning:

Up to 10% of Dacrylate Thinner R5 may be required when spraying the product to achieve optimum spray characteristics.

Clean-up:

Clean all equipment after use with Dacrylate Thinner R5. Do not allow product to remain in hoses, guns, or spray equipment. All surplus product 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:

2 years or longer in unopened containers when stored under cover within a temperature range of 5°C to 32°C.

Pot life (at 20°C):

N/A

Packaging:

5 and 20 litre containers

HEALTH AND SAFETY

Please refer to the following data sheets:

13-90 LINE 10185 Rapidac HB Red Oxide

13-91 LINE 10185 Rapidac Light Grey

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.

© Dacrylate Paints Ltd. 2017

Lindley's Lane, Kirkby-in-Ashfield, Nottinghamshire NG17 8AL. Tel.: 01623 753845 Email: sales@dacrylate.co.uk

www.dacrylate.co.uk