

TECHNICAL PRODUCT DATASHEET

VINADAC HB

Dacrylate VINDAC HB is a high-build coating for protection of steel and galvanised steel in aggressive environments. Typical applications include lighting columns and general industrial plants.

PRODUCT INFORMATION

Coating type:

High build vinyl pigmented with durable, light-fast pigments.

Features and benefits:

- steelwork
- Suitable for external exposure
- Good colour and gloss retention when exposed to UV-light
- Excellent barrier protection against corrosion
- Full colour range available.

Reference number:

41-LINE/541-LINE

Appearance:

Sheen

Colours available:

All British Standard and RAL colours , including colour matching – *contact Dacrylate Customer Services for further details*

TECHNICAL INFORMATION

Theoretical coverage:

5.3m² per litre at 75 microns dry film thickness

Film thickness:

	Wet film thickness	Dry film thickness
Typical:	190 microns	75 microns
Range:	125-310 microns	50-125 microns

Sag tolerance:

3880 microns wet film thickness

Recommended primers:

Rapidac Metal Primers (13-LINE)
Vinadac Primer/Sealer (41-LINE)
Epidac HB ZP Primer (79-LINE)

V.O.C.:

528g/m²/ltr EPA Method 24
394g/m²/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	5hrs	7.5hrs	7.5hrs
10°C	4hrs	6hrs	6hrs
15°C	3hrs	4.5hrs	4.5hrs
20°C	2hrs	3hrs	3hrs

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

SURFACE PREPARATION

Paint preparation before use:

Ensure that the paint is well stirred before use, making sure the bottom of the can is stirred as well to ensure the paint is mixed well.

Mixing ratio by volume:

N/A

Surface preparation:

Mild steel, clean and free of millscale:

Thoroughly degrease using Dacrylate Thinner R5. Apply one coat of Vinaprime 41 HB Anti-Corrosion Primer to a dry film thickness of 50 microns.

Mild steel, corroded and/or millscale present:

Abrasive blasting to ISO 8501-1 SA2.5 is the preferred method.

Manual clean:

Chip, scrape and power wire brush to remove all loose rust, millscale, etc to ISO 8501-1, ST3. Degrease with Dacrylate Thinner R5. Apply one coat of Vinaprime 41 HB Anti-Corrosion Primer to a dry film thickness of 50 microns.

Galvanising (new):

Ensure surface is cleaned and dry. Pre-treat with Dacrylate Mordant Solution (T-Wash) Ref.: 150-23.

Galvanising (weathered):

Use stiff brush to remove any deposits of white zinc salts. Degrease 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 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: 15-137hou (0.38-0.43mm)
Tip pressure: Minimum 2000psi (135bar)

Conventional spray:

Tip size: 55 thou (1.4mm)
Tip pressure: 40-50psi (2.7-3.4bar)

Brush application:

Apply using a 'full' wet brush. Avoid excessive 'brushing out'. Do NOT 'lay-off'.

Roller application:

Apply using a 'full' wet roller. Avoid excessive 'rolling out'. Do not 'lay-off'.

Thinning:

5-10% 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 (*please quote 6-digit number when requesting copies*):

Dacrylate VINADAC HB (41-LINE) SDS 109422

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.

Certain products retain solvents for longer periods, which will affect plasticizers within the plastic packaging causing damage to the finish. It is therefore not recommended that finished painted products be wrapped in bubble wrap, plastic sleeves etc, until coatings are fully cured as this can cause damage to the finish especially when stacked or stored in sunlight/elevated temperatures. Damage can also occur from condensation caused by fluctuations in temperature consequently causing a "greenhouse" effect within the packaging.

Polychromatic colours such as RAL 9006 and RAL 9007 may be susceptible to slight variations in colour depending on application methods and the type of paint. In order to obtain the best colour and appearance, these colours are best spray applied.

Due to the protective nature of the product, some chalking may occur on exposure/weathering. This is purely aesthetic and will not detract from the performance, durability and longevity of the system. It should therefore be borne in mind that this phenomenon may be more visible on certain bright/ bold colours.

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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