

TECHNICAL PRODUCT DATASHEET

VINADAC 41 MIO

High Build MIO

VINADAC 41MIO is a high-build coating with rust-inhibitive qualities that provides protection to steel and galvanised steel in aggressive environments. Developed to be tolerant of damp surfaces during application **VINADAC 41MIO** is a flexible coating that is typically applied and proven on lighting columns and general industrial. **VINADAC 41MIO** has a 'Class O' fire rating when applied to a non-combustible substrate.

PRODUCT INFORMATION

Coating type:

Vinyl/micaceous iron oxide with rust-inhibitive pigment.

Features and benefits:

- Tolerant to damp substrate for greater flexibility in use
- High-build for good coverage

Reference number:

41-LINE

Appearance:

Matt specular finish

Colours available:

Light Grey Natural
Dark Grey Black
Cupress

Other colours to special order – may be subject to minimum order quantities. Contact Dacrylate Customer Services for more information

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:	125-315 microns	50-125 microns

V.O.C.:

525grm/ltr EPA Method 24
334grm/kg calculated from formulation to satisfy EU Solvent Emissions Directive
May vary with colour

Recommended primers/topcoats, etc:

Vinaprime 41
40% calculated from laboratory formulation
May vary with colour

DRYING TIMES:

Temp.	Touch dry	Firm dry	Overcoat*
5°C	5hrs	7hrs 30mins	7hrs 30mins
10°C	4hrs	6hrs	6hrs
15°C	3hrs	4hrs 30mins	4hrs 30mins
20°C	2hrs	3hrs	3hrs

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

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.

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 (41-120) to a dry film thickness of 50 microns.

Mild steel, clean and free of millscale:

Thoroughly degrease using Dacrylate Thinner R5. Apply one coat of Vinaprime 41 HB Anti-Corrosion Primer (41-120) 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.

Galvanising (new):

Ensure surface is clean and dry.
Adhesion may be further improved on certain types of bright galvanising using Mordant Solution.

Galvanising (weathered):

Use stiff brush to remove any deposits of white zinc salts. Wash down with detergent water to remove road salts, etc., rinse and dry-off.

APPLICATION

Application conditions:

This material should preferably be applied at temperatures more than 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 5°C.

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

Conventional spray:

Tip size: 55 thou (1.4mm)
Tip pressure: 40-60psi (2.76-4.14bar)

Airless spray:

Tip size: 15-18thou (0.38-0.43mm)
Tip pressure: 2000psi (137bar)

Brush application:

Apply using full wet brush. Avoid excessive 'brushing-out'.

Roller application:

Apply using full wet roller. Avoid excessive 'rolling out'.

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 or 'use by' date on packaging.

Packaging:

5, 15 and 20 litre open-top containers

HEALTH AND SAFETY

Please refer to the following data sheets:

041-LINE 10935 Vinadac 41 HB MIO

041-171 10951 Vinadac 41 HB MIO (Natural)

041-170 10952 Vinadac 41 HB MIO (Light Grey)

041-172 10953 Vinadac 41 HB MIO (Dark 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.

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.

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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