

PRODUCT DATASHEET

# VINADAC

## High Solids MIO (Airless Spray Grade)

### PRODUCT INFORMATION

**Reference Number:**  
45-LINE

**Coating type:**  
Modified vinyl/micaceous iron oxide with rust-inhibitive pigment.

**Typical uses:**  
High solids, high-build coating for the protection of steel and galvanised steel in aggressive environments.

**Colours available:**  
*To custom order.*

**Appearance:**  
Matt specular finish

**Features and benefits:**

- Suitable for a range of substrates and range of methods of preparation making it a versatile coating product.

### TECHNICAL INFORMATION

**Theoretical coverage:**  
7m<sup>2</sup> per litre at 75 microns dry film thickness

**Film thickness:**

	Wet film thickness	Dry film thickness
<b>Typical:</b>	140 microns	75 microns
<b>Range:</b>	95-190 microns	50-100 microns

**Sag tolerance:**  
320 microns wet film thickness

**Recommended primers:**  
Vinaprime 41 HB Anti-Corrosion Primer (41-200)

**V.O.C.:**  
417gm/ltr EPA Method 24  
261gm/kg calculated from formulation to satisfy EU Solvent Emissions Directive  
*May vary with colour.*

**% Volume solids:**  
53% calculated from laboratory formulation  
*May vary with colour.*

**Drying time:**

Temp.	Touch dry	Firm dry	Overcoat
5°C	150 mins	5 hrs	5 hrs
10°C	120 mins	4 hrs	4 hrs
15°C	90 mins	3 hrs	3 hrs
20°C	1 hr	2 hrs	2hrs

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

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## 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.

### Mixing ratio by volume:

N/A

### 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.

### Mild steel, clean and free of millscale:

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 8501-01 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.

### Galvanising (new):

Ensure surface is clean and dry. Pre-treat with Dacrylate Mordant Solutions ('T' Wash) (150-23), or abrade.

### Galvanising (weathered):

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

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## 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 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: 15-17thou (0.38-0.43mm)

Tip pressure: 2500psi (160bar)

### Brush application:

This product can be brushed, but is limited to small areas.

### Thinning:

Thinning shouldn't be required with this product, but if it is required please contact the Dacrylate Technical Service Team.

### 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.

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## 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.

### Pot life (at 20°C):

N/A

### Packaging:

5, 15 and 20 litre open-top containers

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## HEALTH AND SAFETY

Please refer to the following data sheets:  
**045-177 20367 Vinadac HS MIO (ASG)**

*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*

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## 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 or similar, 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.

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## 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](http://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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Lindley's Lane, Kirkby-in-Ashfield, Nottinghamshire NG17 8AL. Tel.: 01623 753845 Email: [sales@dacrylate.co.uk](mailto:sales@dacrylate.co.uk)

[www.dacrylate.co.uk](http://www.dacrylate.co.uk)