

TECHNICAL PRODUCT DATASHEET

Dacsil® 17

Dacsil 17 is a silicone modified alkyd suitable for use on suitably primed ferrous and non-ferrous metals.

PRODUCT INFORMATION

Coating type:

Silicone modified alkyd.

Reference number:

17-LINE

Features and benefits:

- Outstanding gloss and colour retention on weathering for excellent durability
- Heat resistant between 120-150°C, dependent on colour.

Appearance:

Gloss

Colours available:

Black (other colours may be available on special order – contact Dacrylate Customer Services for more details)

TECHNICAL INFORMATION

Theoretical coverage:

13.3m² per litre at 40 microns dry film thickness

% Volume solids:

53% calculated from laboratory formulation
May vary with colour

Film thickness:

	Wet film thickness	Dry film thickness
Typical:	75 microns	40 microns
Range:	45-95 microns	25-50 microns

Drying time:

Temp.	Touch dry	Firm dry	Overcoat*
5°C	7hrs 30mins	20hrs	Overnight
10°C	6hrs	16hrs	
15°C	4hrs 30mins	12hrs	
20°C	3hrs	8hrs	

Recommended [primers/topcoats, etc]:

Dacthane 95 (95-LINE)
Dactherm 800 (17-132)

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

V.O.C.:

716g/m²/ltr EPA Method 24
602g/m²/kg calculated from formulation to satisfy EU Solvent Emissions Directive
May vary with colour

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.

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.

Ferrous and non-ferrous surfaces:

Normally applied over suitably primed surfaces

Use as heat resistant coating on steel:

Substrate should be abrasive blasted to give optimum performance. Apply primer prior to application Dacsil Finish

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: 9-11 thou (0.23-0.28mm)
Tip pressure: Minimum 2000psi (137bar)

Conventional spray:

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

Brush application:

Apply evenly with a full wet brush.

Roller application:

This product is suitable to be rolled.

Thinning:

10% of Dacrylate Thinner R70 may be required when spraying the product to achieve optimum spray characteristics.

Clean-up:

Clean all equipment after use with Dacrylate Thinner R1. 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.

Packaging:

5 litre lever lid tins

HEALTH AND SAFETY

Please refer to the following data sheets:

Dacrylate Dacsil 17 (17-LINE) SDS 20501

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 airless 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.

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. To obtain the best colour and appearance, these colours are best spray applied.

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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