

SHIELD – QUICK-DRY SPOT Primer

PRODUCT INFORMATION

Coating type:

Modified alkyd with anti-corrosion pigmentation.

Typical uses:

A high build single-pack primer for use on mild steel under single-pack air drying finishes. Use above the waterline only

Colours available:

Dark Red

Appearance:

Matt

Features and benefits:

- Rapid drying times for quicker overcoating
- Top quality resin gives level of corrosion protection not normally associated with a single pack type of paint
- Contains zinc phosphite anti-corrosive
- Short handling times to improve throughput

TECHNICAL INFORMATION

Typical coverage using a brush/roller:

A spreading rate of 8m² per litre of paint used gives 50 microns dry film thickness per coat

Film thickness:

	Wet film thickness	Dry film thickness	Spreading rate
Typical:	125 microns	50 microns	8m ² per litre
Range:	100-150 microns	40-60 microns	10m ² - 6.7m ² per litre

Sag tolerance:

320 microns wet film thickness = a spreading rate of 3.1m² per litre

Recommended Topcoats:

LUSTRE – Silicone Alkyd Topcoat.

V.O.C.:

540gm/ltr EPA Method 24

429gm/kg calculated from formulation to satisfy EU

Solvent Emissions Directive

% Volume solids:

40% calculated from laboratory formulation

Drying time:

Temp.	Touch dry	Firm dry	Overcoat
5°C	75 mins	3 hrs 45 mins	3 hrs 45 mins
10°C	60 mins	3 hrs	3 hrs
15°C	45 mins	2 hrs 15 mins	2 hrs 15 mins
20°C	30 mins	1 hr 30 mins	1 hr 30 mins

Drying time will vary with temperature, air movement, etc

Force Drying:

Allow primer to flash-off. Force dry at approximately 60°C for 30-45 minutes.

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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 and rust.

Steel:

Abrasive blast to ISO 8501-1 SA 2.5. (Mild steel, free of rust and millscale should be degreased with SML Cleaner Degreaser or good quality alkaline detergent).

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: 13-15 thou (0.33-0.38mm)

Tip pressure: Minimum 2000psi (137bar)

Conventional spray:

Tip size: 55thou (1.4mm)

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

Brush/roll application

Ideal for spot priming

Thinning:

Up to 10% of SHIELD – Brushing Thinners may be required when conventionally spraying the product to achieve optimum spray characteristics.

Clean-up:

Clean all equipment after use with SHIELD – Brushing Thinners. 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):

8 hours when mixed with GP Hardener (Ref.: 91-A099)

Packaging:

2.5 litre containers

HEALTH AND SAFETY

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.

Compliant to PG6/34(97) EPA (1990), when used for re-spraying of road vehicles, without thinning by airless or air assisted airless application.

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 SML Paints and Coatings 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.

SML Paints and Coatings warrants its products to be free from defects in material and workmanship. SML Paints and Coatings obligations and buyer's exclusive remedy relating to the products shall be limited, at SML Paints and Coatings 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 SML Paints and Coatings 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 SML Paints and Coatings 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 SML Paints and Coatings, 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.smlmarinepaints.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 SML Paints and Coatings.

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