

MANOR

PRODUCT DATA SHEET



Q.D. PRIMER SEMI GLOSS

INTENDED USE

METAL FINISHING

An economical, general purpose, quick drying shop primer for general sheet metal fabrication and structural steel work. Usually spray applied but can be brushed on small areas, dries in 30 minutes. It is not usually top-coated in the paint shop, this is done on site at a later date.

It is chosen over other primers because of its semi-gloss finish so that when it leaves the paint shop in 'primer only' it has a more attractive finish than conventional matt primers.

See also the Manor supplementary information sheet 'Guide to the UK VOC legislation' to understand how the VOC content of a coating determines its suitability for use in any application.

SUITABLE SUBSTRATES AND PREPARATION

Untreated steel; for best results blast clean prior to painting to SA 2 1/2, otherwise manually abrade using powered hand tools and abrasives to ST2.

Previously painted steel; remove rust back to sound metal. Remove loose or flaky paint. Bring forward by patch priming. Sound previously painted surfaces should be lightly abraded prior to application in order to promote adhesion.

Remove dust. Remove oil or grease with Panel Cleaner. If using a waterborne degreaser remove fully. Test a small area prior to painting.

Aluminium and galvanised steel; abrade and pre-treat with Manor Wash Primer, Manor Chromate Free Wash Primer or Manor 1 Pack Etch Primer in accordance with data sheets for these products.

Other substrates; seek advice from Manor Coating Systems Technical Department

AVAILABILITY

Semi Gloss finish in Grey, Black and Red Oxide in 5L and Red Oxide in 20 Litres

PRODUCT INFORMATION

(TYPICAL FIGURES)

Composition	Based on a modified alkyd resin, pigmented with suitably selected pigments, barrier extenders and modified zinc phosphate anticorrosive pigment.
Volume Solids	32% Red Oxide, 38% Black, 29% Grey
Weight Solids	45% Red Oxide, 50% Black, 40% Grey
VOC content	570 g/litre Red Oxide, 535 g/litre Black, 590 g/litre
Typical film thickness	75 microns wet and 20-30 microns dry
Theoretical coverage	13 sq metres/litre at 75 microns wet film thickness
Dry heat resistance	80 C
Flash Point	Within the range 21-31 C

APPLICATION DETAILS

PREFERABLY BRING PAINT TO 15-25C AND STIR WELL BEFORE USE

Airless spray: **cold** The product is supplied ready for use by airless spray. Typical tip size 13-15 thou or 0.33-0.38 mm. Typical fluid pressure 200 kg/sq metre or 2800 p.s.i.

heated As cold but maximum temperature 40 C

Conventional spray Up to 15% thinners may be added to suit equipment and application.

Brush Roller Only suitable for application to small areas because of speed of dry, if desired 5-10% thinners may be added. Do not overbrush.

 If brushing is the principal method of application consider using Manor Metal Primer which is designed for brushing.

Thinner Industrial Thinner

Film thickness per coat

	<u>Dry</u>	<u>Wet</u>
Minimum	25 microns	65 microns
Maximum	40 microns	105 microns

DRYING AND RECOATING

Approximate drying times at 30 microns d.f.t.

<u>Substrate temperature</u>	<u>Touch Dry</u>	<u>Overcoating times</u>	
		Minimum	Maximum
10C	45-90 mins	4 hours	See note
20C	30-45 mins	2 hours	See note

Environmental conditions

The air temperature should be at least 5C with a surface temperature 3C above the dew point and the relative humidity below 80% thus ensuring that the surface is dry and that condensation will not occur during application or drying.

Drying will slow significantly at temperatures below 10C.

Do not apply in conditions below 5C

Do not apply to external surfaces if the forecast is for rain to fall within the next 4 hours.

In exposed windy conditions a minimum air temperature of 8 C is recommended.

Overcoating / repainting

OVERCOATING WITH QD PRIMER SEMI-GLOSS IN SPRAY SHOP
An additional coat of Q.D. Primer Semi-Gloss may be applied within 12 hours of initial application.

After 12 hours leave until at least 7 days has elapsed from initial application. Abrade lightly to remove surface gloss to improve intercoat adhesion.

TOP-COATING IN SPRAY SHOP

QD Primer Semi Gloss is usually used as a shop primer and is over-coated with single pack, air drying finishes on site. If a finishing coat is to be applied in the spray shop use Fast Enamel.
If left more than 7 days after priming it should be abraded to improve adhesion before topcoating.

TOP-COATING ON SITE BY BRUSH / ROLLER

After abrading use Zinfos 340WS

SHELF LIFE

Store in cool, dry conditions, typically 5-25C. After a period of storage the product should be thoroughly stirred. Usable life is 2 years from date of manufacture in unopened containers.

**SAFETY
PRECAUTIONS**

Refer to Manor Safety Data Sheet

LIMITATIONS

The information given in this data sheet is based on experience and is accurate to the best of our knowledge. No guarantee should be implied however, since the conditions of use are beyond our control. This data sheet does not constitute a specification.

A Painting Guide can be accessed via our website which provides additional information on paint and painting and definitions of terminology.

In case of doubt as to the suitability of the product please consult our Technical Department. If you are advised that the paint can be used in a manner not specified on this datasheet our Technical Department will confirm this to you in writing. Do not use paint prior to receiving this confirmation.

References to other primers, topcoats, cleaners and thinners are to the Manor Product of that name only.

This data sheet supercedes all previous issues.

REFERENCES

Amended date: November 27, 2012

Reference and number:QPSG- 6