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# MANOR

## PRODUCT DATA SHEET



# U.P.F. PRIMER

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## INTENDED USE

### VEHICLE REFINISH and the ORIGINAL COATING of VEHICLES or TRAILERS

A fast drying, high build, anti-corrosive, non-sand primer undercoat for use under both Manor 1 Pack Polyurethane and 1 Pack Polyurethane Q.D. It has excellent flow, gloss hold out, adhesion and re-coat properties, for application by HVLP conventional spray. For airless spray use UPF CT.

VOC classification 2004/42/IB(c)(540)535

### METAL FINISHING

Used as a primer undercoat for 1 Pack Polyurethanes, because other primers can give intercoat adhesion problems in severe use areas. Also used as a primer undercoat under 2 Pack Polyurethanes or Epoxies when a single pack primer is preferred. For airless spray application use UPF CT.

### ARTICLES - that are not part of a building structure (and therefore are outside the scope of the building products VOC Product Directive)

Used as a refurbishment or maintenance primer under 1 Pack Polyurethane and under 2 Pack Polyurethanes or Epoxies when a single pack primer is preferred on such items as:

INSIDE BUILDINGS: Machinery, fixed plant, moveable equipment, fork lift trucks, trolleys, frames, guards etc

OUTSIDE BUILDINGS: Exterior surfaces of tanks, pipework and process plant, towers, bridges or any structure which is not part of a building

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 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

Beige, Black, Blue, Light Grey and White in 5 litre containers.

**PRODUCT INFORMATION (TYPICAL FIGURES)**

<b>Composition</b>	Based on a unique phenolic modified alkyd resin, pigmented with suitably selected pigments, barrier extenders, and modified zinc phosphate anticorrosive pigment.
<b>Volume Solids</b>	42%
<b>Weight Solids</b>	60-65%
<b>VOC content</b>	500 gm/litre
<b>Typical film thickness</b>	95 microns wet and 40 microns dry.
<b>Theoretical coverage</b>	11 sq. metres/litre at 40 microns dry film thickness.
<b>Dry heat resistance</b>	80C
<b>Flash Point</b>	Within the range of 21-31C

**APPLICATION DETAILS**

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

<b>Airless spray:</b>	<b>cold</b>	Not recommended - use UPF CT
	<b>heated</b>	Not recommended - use UPF CT
<b>Conventional spray</b>		For VEHICLE REFINISH to comply with the VOC Products Directive use a maximum of 10% Manor Synthetic Thinner CV and apply by HVLP and pressure pot. For other uses, thin with Manor Industrial Thinner to suit the equipment. Manor Retarder Thinner AB may be used for large areas or very warm conditions.
<b>Brush Roller</b>		Only small areas to touch in
<b>Thinner</b>		Synthetic Thinner CV or Industrial Thinner

**Film thickness per coat**

	<u>Dry</u>	<u>Wet</u>
<b>Minimum</b>	25 microns	60 microns
<b>Maximum</b>	50 microns	120 microns

**DRYING AND RECOATING**

Approximate drying times at 40 microns d.f.t.

<u>Substrate temperature</u>	<u>Touch Dry</u>	<u>Overcoating times</u>	
		<b>Minimum</b>	<b>Maximum</b>
10C	2 hours	2 hours	3 days (see note)
20C	45 mins	1 hour	3 days (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 90%. The drying times will be significantly extended in cold, damp conditions.

**Overcoating / repainting**  
For maximum gloss level apply top coat within 4 hours. Where recoating takes place after 3 days, lightly abrade surface to improve intercoat adhesion.

**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.

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**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: March 27, 2015

Reference and number:UPF- 10