CV BRUSHING PRIMER UNDERCOAT

INTENDED USE
An anticorrosive brushing primer / undercoat with excellent flow and gloss hold out. Available in a wide range of colours with high opacity, to ensure that most colours cover with one coat of undercoat and one coat of topcoat. The product can also be sprayed if required, particularly if there is requirement for a low odour primer/undercoat.

VEHICLE REFINISH and the ORIGINAL COATING of VEHICLES or TRAILERS
Typical uses are for brushing buses, coaches or Historic Vehicles.

VOC classification 2004/42/IIB(c)(540)(465)

NICHE USE
On Narrow Boats (above the water line), Traction Engines and Agricultural Equipment

METAL FINISHING
Used occasionally in this sector mainly if items cannot be sprayed.

ARTICLES - that are not part of a building structure (and are therefore outside the scope of the building products VOC Product Directive)
Used as a refurbishment or maintenance primer/undercoat for items such 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 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
A wide range of colours available from the Manormix mixing scheme in 5L containers
**PRODUCT INFORMATION (TYPICAL FIGURES)**

**Composition**
Based on a polyurethane modified alkyd resin pigmented with suitably selected pigments and zinc phosphate anticorrosive pigment.

**Volume Solids**
48-50%

**Weight Solids**
60-67%

**VOC content**
410-420 gm/litre

**Typical film thickness**
35 microns dry at 71 microns wet

**Theoretical coverage**
14 sq. Metres / litre at 35 microns dry film thickness

**Dry heat resistance**
80C

**Flash Point**
HIGH FLASH in the range 32-55C (flammable)

**APPLICATION DETAILS**

**Airless spray:**
- cold: Not recommended
- heated: Not recommended

**Conventional spray**
Add 10-15% Manor Low Odour White Spirit

**Brush Roller**
When coating large areas up to 5% Manor Low Odour White Spirit can be added to ease application and to maintain a wet edge.

**Thinner**
Manor Low Odour White Spirit

**Film thickness per coat**

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<thead>
<tr>
<th></th>
<th>Dry</th>
<th>Wet</th>
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<tbody>
<tr>
<td><strong>Minimum</strong></td>
<td>25 microns</td>
<td>51 microns</td>
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<tr>
<td><strong>Maximum</strong></td>
<td>50 microns</td>
<td>102 microns</td>
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**DRYING AND RECOATING**

Approximate drying times at 35 microns d.f.t.

<table>
<thead>
<tr>
<th>Substrate temperature</th>
<th>Touch Dry</th>
<th>Overcoating times</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Minimum</td>
<td>Maximum</td>
</tr>
<tr>
<td>10C</td>
<td>2 hours</td>
<td>24 hours</td>
</tr>
<tr>
<td>20C</td>
<td>1 hour</td>
<td>16 hours</td>
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**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. Polyurethane to give optimum flow properties. Manor Synthetic Enamel may also be used. When over-coating takes place after 3 days, lightly abrade to improve intercoat adhesion.

**Overcoating / repainting**

**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.
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 21, 2012 Reference and number:CVP- 5