

WASH PRIMER

INTENDED USE

METAL FINISHING & VEHICLE REFINISH and the ORIGINAL COATING OF VEHICLES OR TRAILERS

A two pack translucent yellow adhesion promoting pre-treatment primer for ferrous metal, zinc coated steel and aluminium. It contains phosphoric acid and zinc chromate which form a 'complex' that partially etches and passivates the metal surface.

It is an essential pre-treatment for most non-ferrous metal surfaces and is widely used under powder coatings to improve their adhesion to most metals. One pack Etch Primer CT can give superior adhesion to some galvanised metals.

VOC Vehicle Refinish Classification 2004/42/EC IIB(c)(780)710

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, ALUMINIUM AND ZINC COATED STEEL

Apply to bare metal surfaces which must be dry and sound

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

Lightly abrade, remove dust.

GALVANISED SURFACES

We recommend the use of Manor 1 Pack Etch Primer CT in preference to Wash Primer in most situations. If Wash Primer is selected proceed as for untreated steel above.

PREVIOUSLY PAINTED SURFACES

Not suitable, remove paint completely and treat as unpainted

OTHER SUBSTRATES

Seek advice from Manor Coating Systems Technical Department.

AVAILABILITY

2.5 litre of base and 2.5 litre of catalyst

PRODUCT INFORMATION

(TYPICAL FIGURES)

Composition	Based on a vinyl resin reinforced by other synthetic reactive resins, pigmented with zinc tetroxychromate, selected barrier extenders and inorganic pigments. The Catalyst contains phosphoric acid in ketone and alcohol solvents.
Volume Solids	9.5% when mixed
Weight Solids	17% when mixed
VOC content	Base 650 g/litre Catalyst 770 g/litre Mixed 710 g/litre
Supply Viscosity	Mixed 14-18 seconds
Typical film thickness	4 microns dry
Theoretical coverage	20 sq metres/litre at 4 microns dry film thickness
Dry heat resistance	120 C
Flash Point	Below 21C Highly Flammable

APPLICATION DETAILS

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

Airless spray:	cold	Not recommended
	heated	Not recommended
Conventional spray		Ready for use when mixed equal parts of Base and Catalyst by volume. Once mixed the product must be used within the same working day.
Brush Roller		Ready for use when mixed. Small areas may be brushed for repair work, taking special care not to attempt to obtain full opacity.
Thinner		Application by roller is not usual but may be considered on large flat surfaces when spraying is not an option. Not required.

Film thickness per coat

	<u>Dry</u>	<u>Wet</u>
Minimum	3 microns	not applicable
Maximum	8 microns	not applicable

DRYING AND RECOATING

Approximate drying times at 4 microns dry film thickness

<u>Substrate temperature</u>	<u>Touch Dry</u>	<u>Overcoating times</u>	
		Minimum	Maximum
10C	15 minutes	1 hour	within 24 hours
20C	10 minutes	1 hour	within 24 hours

Note	This product may be force dried at up to 80 C for 10 minutes.
Environmental conditions	The air temperature should be at least 5 C with a surface temperature 3 C above the dew point and the relative humidity below 90%.
Overcoating / repainting	Drying times will be significantly extended in cold damp conditions. The product must be over-coated within 24 hours, during which period it is water sensitive and therefore should be kept away from moisture or humid conditions. It may be overcoated with a range of primers including Manor Fast Primer, Manor 2 Pack Epoxy Primer and Manor Promastic

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: December 10, 2012

Reference and number:WASH- 6