

CHASSIS PAINT BLACK

INTENDED USE

VEHICLE REFINISH and the ORIGINAL COATING of VEHICLES or TRAILERS

A single pack, high gloss chassis coating for use on commercial vehicles and trailers.

VOC classification 2004/42/IIIB(c)(420)(415)

Features:

- positive overnight dry and tack free in 3 to 4 hours
- high gloss, excellent opacity
- jet black finish
- economic
- good resistance once cured to fuel and oil splash for single pack product

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

Normally applied over UPF or UPF CT primer, see data sheets for these products for primer details. Other primers are prone to de-lamination of the topcoat from the primer when chassis' are pressure washed.

Surfaces must be dry, sound and free from dirt, dust, millscale, rust and grease.

Previously painted surfaces; remove rust, remove loose/flaky paint, patch prime, lightly abrade whole surface, remove dust, dirt, oil and grease prior to application.

AVAILABILITY

A full gloss black finish in 1 litre and 5 litre containers

PRODUCT INFORMATION (TYPICAL FIGURES)

Composition	Based on a medium oil urethane modified alkyd resin and high quality carbon black pigment.
Volume Solids	48%
Weight Solids	55%
VOC content	415 g/litre
Supply Viscosity	6 poise at 20 C
Typical film thickness	80 microns wet and 40 microns dry
Theoretical coverage	12.5 sq metres/litre at 80 microns wet film thickness
Dry heat resistance	80 C
Flash Point	In the range 32-55 C flammable

APPLICATION DETAILS

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

Airless spray: **cold** The product is supplied ready for use. Typical tip size 9-11 thou or 0.23-0.28 mm. Typical fluid pressure 140 kg/sq metre or 2000 psi.
 heated As cold but maximum temperature 70 C

Conventional spray Add up to 15% thinners, can also be hot sprayed at a maximum temperature of 70 C

Brush Roller Ready for use by brush

Thinner Manor Low Odour White Spirit

Film thickness per coat

	<u>Dry</u>	<u>Wet</u>
Minimum	30 microns	60 microns
Maximum	50 microns	100 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>	
		Minimum	Maximum
10C	6 hours	8 hours	3 days (see note)
20C	3 hours	4 hours	3 days (see note)

Note After 2-3 days air drying between coats it is important to lightly abrade the coating to remove surface gloss and improve intercoat adhesion. Allow 16 hours for the flatted paint to heal up prior to recoating to prevent wrinkling.

Environmental conditions The air temperature should be at least 5 C with a surface temperature 3 C above dew point and the relative humidity below 90% thus ensuring that the surface is dry and that condensation will not occur during application or drying. The drying times will be significantly extended in cold, damp conditions.

Overcoating / repainting A further coat of the product may be applied if required.

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 21, 2012

Reference and number:ORC- 6