

PROMASTIC 600 CT (maintenance coating)

INTENDED USE

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

Designed particularly as a mid sheen maintenance coating for corroded steel associated with exteriors of tanks and pipework, process plant, towers, bridges etc. It is a high performance corrosion and chemical resistant two pack epoxy coating for new and old steelwork. For exterior applications where colour and gloss retention is important Promastic 600CT must be overcoated with Manor 2 Pack Acrylic Polyurethane because epoxy systems discolour and chalk within 12 months when exposed to UV light. The main features are:

- adhesion promoting coating for use on marginally prepared surfaces (a surface where only minimal cleaning and preparation is possible)
- can be applied to damp steel surfaces which have been cleaned by water jet with no reduction in performance
- low temperature cure down to -5C
- superb high build primer and /or intermediate and/or one coat finish for high film build specifications
- applied at 150 microns d.f.t. will give up to five years life to first maintenance in most exposures. Achievable with one coat application by airless/air assisted airless spray
- applied at 250 microns d.f.t. will give up to ten years life to first maintenance in most exposures. More than one coat will be necessary to achieve this higher film

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.

GRP thoroughly abrade the surface prior to painting.

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 and assess adhesion.

Galvanised steel; abrade and pre-treat with Manor 1 Pack Etch Primer in accordance with data sheets for these products.

When used as a maintenance coating for industrial plant, external surfaces of tanks and pipework it is sometimes not possible to prepare the surface as well as it would be on a new build situation. In these cases clean the surface and after successfully testing a small area apply Promastic with brush/roller. Whilst Promastic is far more tolerant of less than ideal surface preparation than most other paints, the more preparation undertaken the better will be the end result.

Other substrates; seek advice from Manor Coating Systems Technical Department

AVAILABILITY

Most BS and RAL colours available from the Manormix Scheme in 5 litre containers

The accuracy of the colour match will only be approximate due to the product composition.

Epoxies that are not topcoated will chalk, fade and may yellow and darken. The yellowing tendency is particularly noticeable in pastel colours.

DRYING AND RECOATING

Approximate drying times at 100 microns d.f.t.

<u>Substrate temperature</u>	<u>Touch Dry</u>	<u>Overcoating times</u>	
		Minimum	Maximum
10C	2 hours	6 hours	2 days (see note)
20C	1 hour	3 hours	2 days (see note)

Note

Full chemical cure is achieved after 3 days at 20 C

Environmental conditions

The air temperature must be above -5 C with a surface temperature 3 C above the 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.

Drying times will be significantly extended in cold conditions.

Curing will slow down or stop if the temperature falls below -5 C and may not resume if the film is allowed to pick up moisture.

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 3 C is recommended.

Overcoating / repainting

If required a further coat of the product may be applied or 2 Pack Acrylic Polyurethane may be applied.

After 2 days of air drying between coats it is important to lightly abrade the surface to remove sheen and 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.

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:PR-maintenance- 7