

PROMASTIC 600 CT (floor coating)

INTENDED USE

DECORATION OF BUILDINGS

Used as a high performance two pack solventborne mid sheen interior concrete floor coating for industrial premises such as warehouses and factories where forklift trucks are used due to its hard wearing properties .

Dries well at low temperatures in winter months.

As a CONCRETE SEALER the first coat is thinned 2 parts mixed paint to 1 part 2 Pack Epoxy thinners by volume. Gives 555 g/litre VOC, VOC Classification 2004/42 Cat A/(h) 750 g/l (2010).

As a FINISH apply unthinned when VOC content is 465 g/l mixed. VOC classification 2004/42 CatA/(j) 500 g/l (2010).

ARTICLES, VEHICLE REFINISH, METAL FINISHING

See separate data sheet

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

NEW CONCRETE

Apply only to dry, well prepared concrete after removal of loose cement laitance by scarifying or acid etching, then vacuuming. Apply the first coat as a sealer coat thinning 2 parts catalysed paint with 1 part Two Pack Epoxy Thinners, followed by one or two finishing coats leaving overnight to dry between coats.

PREVIOUSLY PAINTED FLOOR

Inspect the original coating for adhesion using a cross hatch test (cut an X in the coating with a sharp knife, apply strong adhesive tape over it and pull off sharply). If the paint is removed, blast or scarify the floor to remove the old coating. If the old paint remains intact then paint a test area to check the intercoat adhesion between old and new, leave for 48 hours to cure and repeat the cross hatch test. If there is any failure then the floor should be thoroughly abraded and the test repeated. If the test area wrinkles or lifts then the coating will have to be removed before using Promastic 600 CT.

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.

PRODUCT INFORMATION

Composition	Two pack epoxy cured with a polyamidoamine adduct containing pigment extenders and modified zinc phosphate anti-corrosive pigment.
Volume Solids	53% mixed unthinned
Weight Solids	65% mixed unthinned
VOC content	415 g/litre unthinned.
Supply Viscosity	3 poise at 20C
Typical film thickness	One coat can be applied as follows: Brush / roller, unthinned, 50 microns dry film thickness (approximatley 100 microns wet film thickness)
Theoretical coverage	Recomended film thickness for floors 100 microns. 9.9 sq metres/litre at 100 microns wet film thickness
Dry heat resistance	Not applicable
Flash Point	Within the range 21-31 C

APPLICATION DETAILS

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

Mixing	4 parts Promastic Base to 1 part Promastic Hardener by volume. Mix for at least 5 minutes to ensure base and hardener are fully incorporated unless using 'mix at the tip' spray equipment.
	Do not use other hardeners or accelerators with Promastic.
Pot Life	Once mixed the product has a workable pot life of approximately 6 hours dependent on temperature.
Airless spray:	cold Not applicable
	heated Not applicable
Conventional spray	Not applicable
Brush Roller	Ready for use when mixed. When applying by roller use a roller tray. Do not pour directly onto the concrete floor.
Thinner	2 Pack Epoxy Thinner. When applying by roller use a roller tray. Do not pour directly onto the concrete surface.

Film thickness per coat

	<u>Dry</u>	<u>Wet</u>
Minimum	50 microns	100 microns
Maximum	100 microns	200 microns

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: 25/09/2017

Reference: PR-floor Version: 8.0