

MANOR

PRODUCT DATA SHEET



CELLULOSE SANDING SEALER

INTENDED USE

WOOD FINISHING in a paint shop process

A rapid drying sealer for use under Manor Precat or Two Pack Melamine clear or occasionally coloured lacquers. Typical uses are for internal furniture and joinery manufacturers, fitted and free standing, solid wood or MDF, and for shop fitters and display manufacturers.

The features of Cellulose Sanding Sealer are:

- rapid tack free time; 5-10 minutes
- sandable / overcoatable within 20-30 minutes
- very light in colour; suitable for pale woods
- excellent recoatability
- suitable as supplied for conventional and HVLP spray application

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

Typically applied to softwoods such as open grained pine, uncoated / unsealed MDF and bare plywoods. Finely sand the surface to a smooth finish in the direction of the grain. Avoid contamination of surface with oils and greases. Remove dust and apply at least one full wet coat.

May be suitable for application to other woods and engineered boards, test an area first as very resinous / non porous woods may have adverse reaction or reduced adhesion. If in doubt seek advice from Manor Coating Systems Technical Department prior to painting.

AVAILABILITY

Clear sealer is available from stock in 25 litres, 5 litre and 1 litre containers.

PRODUCT INFORMATION

(TYPICAL FIGURES)

Composition	Based on alkyd resin modified with nitrocellulose
Volume Solids	20%
Weight Solids	27%
VOC content	670 g/litre
Supply Viscosity	25 seconds BS B4 cup at 20 C
Typical film thickness	100 microns wet and 20 microns dry
Theoretical coverage	10 sq metres / litre at 100 microns wet film thickness. The spreading rate will vary considerably depending on the grain and porosity of the surface.
Dry heat resistance	50 C
Flash Point	Below 21C Highly Flammable

APPLICATION DETAILS

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

Note	DO NOT APPLY IN VERY THICK FILMS; when filling open grain timber, apply sufficient to cover the profile and then sand back to the profile highlight. Excessively thick films of sealers dry slowly and are prone to chipping.
Airless spray:	cold This product is supplied ready for use with air assisted airless spray using a fluid pressure of 1200 p.s.i. and atomising pressure of 10-15 p.s.i. Use High Build Sanding Sealer for maximum build properties. Not recommended
	heated The product is supplied ready for use. Apply at an air pressure of 55-60 p.s.i.
Conventional spray	The product is not normally recommended for brush or roller application.
Brush Roller	Manor Precat/Melamine Thinner
Thinner	

Film thickness per coat

	<u>Dry</u>	<u>Wet</u>
Minimum	15 microns	75 microns
Maximum	25 microns	125 microns

DRYING AND RECOATING

Approximate drying times at 20 microns d.f.t.

<u>Substrate temperature</u>	<u>Touch Dry</u>	<u>Overcoating times</u>	
		Minimum	Maximum
10C	20 minutes	1 hour	Indefinite (see note)
20C	10 minutes	30 minutes	Indefinite (see note)

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 80% thus ensuring that the surface is dry and that blooming will not occur during application or drying.
Overcoating / repainting	Can be easily sanded after approximately 20-30 minutes after which finishing coats of Nitrosynthetic, Precat Lacquer or 2 Pack Melamine can be applied.

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:CSS- 7