



www.thistlebond.com

TL505/0106

TECHNICAL DATA SHEET

Low Viscosity MP Primer

ThistleBond 'Low Viscosity MP Primer' is a high performance, low viscosity solvent free coating designed for use as a coating system for timber and GRP in marine environments, and as a priming system for porous concrete surfaces.

ThistleBond 'Low Viscosity MP Primer' consists of a unique blend of epoxy resin combined with polyamino amine adducts, which have been specifically selected to provide the optimum level of penetration, adhesion and overcoatability.

ThistleBond 'Low Viscosity MP Primer' is simple and easy to use and is particularly suitable for laying up fibreglass and similar materials. Various fillers can also be added to make glue, fillet joints and fairing compounds.

ThistleBond 'Low Viscosity MP Primer' is ideal as a penetrative primer for prepared porous concrete and GRP surfaces prior to high build epoxy systems.

Before proceeding please read the following information carefully to ensure that the correct proper application procedure is fully understood.

SURFACE PREPARATION

Surfaces should first be degreased using **ThistleBond 'SFE Thinners'** to remove oil, grease and other contamination.

GRP surfaces should then be abraded using 80-100 grade paper. All loose dust and debris should be removed.

Surfaces must be completely dry prior to application.

Concrete surfaces should either be lightly abrasive blast cleaned using wet or dry abrasive techniques or alternatively high pressure water jetting. Care must be taken not to expose the aggregate in the concrete. All dust and abrasive material shall be removed from the surface prior to coating.

MIXING

ThistleBond 'Low Viscosity MP Primer' is a two component material comprising resin and hardener components which must be mixed together prior to use.

Stir the contents of the resin component. Continue stirring and gradually add the total contents of the Hardener container, stir the combined mix until completely homogeneous.

The mixed materials should be used within 30 minutes of mixing at 20°C (68°F). This time will be reduced at higher temperatures and extended at lower temperatures.

APPLICATION

Do not apply when the relative humidity exceeds 85% or when the surface to be coated is less than 5°C above the dew point.

Minimum temperature for application is 7°C.

ThistleBond 'Low Viscosity MP Primer' can be applied by roller or brush taking care to avoid excessive film build, ensuring that any dry fibres are completely wetted out. For roller application use a short pile acrylic type roller refill. Before use remove roller fluff using 40 grit sand paper.

When overcoating aim to apply subsequent coats on to **ThistleBond 'Low Viscosity MP Primer'** when the previous coat reaches the "tacky" stage in order to achieve the best possible adhesion between coats. If the previous coat is allowed to fully harden then the surface must be sanded prior to overcoating.

Although an ambient temperature of 20°C is the ideal application temperature, the product can successfully be applied at 10-15°C. Minimum overcoat times would be in the region of 1 to 1½ hours. Pay particular attention to RH levels. Avoid immersion in water until fully cured.

All equipment must be cleaned IMMEDIATELY after use with **ThistleBond 'SFE Thinners'**.

Theoretical Coverage Rate

9.6 m²/kilo at 100 microns dft. (102 ft²/kilo at 4 mils dft).

Recommended Film Thickness

Wet 100 microns (4 mils)
Dry 100 microns (4 mils)

PHYSICAL CONSTANTS

Mixing Ratio 2 parts resin to 1 part hardener by volume.

Appearance Resin ClearLiquid
Hardener ClearLiquid

Drying & Cure Times

at 20°C(68°F)	UsableLife	30 Mins
	Touch Dry	2 Hours
	Hard Dry	16 Hours
	Minimum Overcoating	2 Hours
	Maximum Overcoating	24 Hours
	Full Cure	7 Days

These times refer to **ThistleBond 'Low Viscosity MP Primer'** only. When the product is blended for other uses times will be extended and will depend on the final quantities of the mix.

Volume Solids 100%

V.O.C. Nil

Shelf Life Use within 5 years of purchase. Store in original sealed containers at temperatures between 5°C (40°F) and 30°C (86°F).

Food Contact Meets USDA requirements for incidental food contact.
Meets FDA requirements CFR 21.175.300 for food contact.

HEALTH AND SAFETY

As long as normal good practice is observed **ThistleBond 'Low Viscosity MP Primer'** can be safely used.

Protective gloves should be worn.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

PACKAGING

Supplied in 2kg packs.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests. Detailed specifications are available on request from the company.



www.thistlebond.com

ThistleBond Division of E. Wood Ltd.
Standard Way, Northallerton,
N. Yorks. U.K. DL6 2XA
Tel: +44(0)1609 780170
Fax: +44(0)1609 780438 & 777905
E Mail: info@thistlebond.com

FOR FURTHER INFORMATION PLEASE CONTACT