



# TECHNICAL & PRODUCT INFORMATION

## ISOBLOC ST

### A STAIN INHIBITING AND ISOLATING PRIMER

ISOBLOC ST is an isolating and stain blocking primer for use on softwoods and where a proliferation of knots is present. The chemistry and physical properties of this primer differentiate it from other wood primers. The primer should be used on timbers where the staining potential is high, due to the presence of natural pigments, tannins and other water extractible substances that may cause unwanted discolouration marks or stains in subsequent top coats. ISOBLOC is specifically recommended for the prevention of discolouration caused by the migration of tannins and pigments around knots. ISOBLOC can be used where staining is encountered when using tropical hardwoods, due to bleed-through of natural pigments from within the timber. Some typical problematic timbers are Oaks, Beech, Iroko and Mahoganies such as Luan and Maranti.

**Please Note.** Isobloc ST is a very effective stain blocking primer. However due to the varied degree of staining severity of some knots. Isobloc ST may not totally eradicate. A brush application of Isobloc ST/Isobloc Ultra (Allow to dry) over the potentially offending knot, prior to spray application is always advisable.

#### Description:

- Isobloc is VOC free 100% environment friendly. Does NOT contain solvents
- Isobloc is a fully micro porous water based, quick drying sealer / primer
- Provides a highly efficient protective barrier against extractible stains.
- Protects against weather, prior to top coats, for up to 12 Months.
- Anti-mould/fungi protection.
- A highly flexible, minimal grain raising primer.
- Excellent adhesion to softwoods, plywood, hardboard etc.

#### Preparation:

All softwoods and non-durable hardwood (exterior use only) must be preservative treated, ideally

By vacuum system. All preservative treated timber MUST be fully dry and traces of white spirit etc removed BEFORE coating with Multi-flex primers. DO NOT USE WATER REPELLENT PRESERVATIVES.

Clean all surfaces before priming ensuring that the surface is grease and dust free. Teak, Iroko, Oak and some Cedars may contain excessive natural oils or pigments - remove by degreasing with a white spirit wipe before priming and allow to dry thoroughly.

#### Application:

Apply ISOBLOC preferably by spray method air-assisted, using material nozzle size of 1.0-1.5 mm and air supply pressure minimum of 50 psi. Application coating thickness should be of the order of 180 microns wet. For heavier coat thickness, where gap-filling is required, apply two coats. Allow to dry thoroughly before applying Top Coat finishes. ISOBLOC may be applied over existing primer coats and existing top coats as a preventive isolating coat if required. The effectiveness of ISOBLOC ST is relative to the amount applied. Thin or Low coat weight applications WILL NOT provide adequate stain blocking protection.

And for this reason, Dipping is NOT a recommended alternative. A coating thickness of minimum 180 microns WET \* will be sufficient for the majority of timbers. However in some cases it may be necessary to apply a second coat Allow a minimum of 3-4 hrs drying at RT prior to applying any second coats

**Knottng:** Open knots should be filled, sanded flat and treated with Isobloc ST/or Isobloc Ultra(Brush apply and allow to dry), prior to spraying with Isobloc ST.

This wet coating thickness should reflect a DRY coating thickness of approximately a minimum 75-80 microns.

#### Physical Data:

**Flashpoint:** Non Flammable

**Density:** 1.20-1.25

**Solids Content:** 50% +/- 2%

**Gloss Level:** Matt Finish

**Drying Time:** 30—60 minutes

**Viscosity** Approx 3000 - 6000 cps

**Drying times are dependent on amount applied, Temperature, Humidity and species of timber. Warm environments with good air-flow are ideal for accelerated drying.**

Advisory Note: ALWAYS TEST A SMALL PIECE FOR SUITABILITY BEFORE PROCEEDING.