

TIMBATECH 03

FAST SETTING SANDABLE HIGH STRENGTH WOOD GLUE

DESCRIPTION

TimbaTech03 is a fast setting, highly sandable modified crosslinking PVA adhesive which develops exceptional bond strength, high heat and humidity resistance when dried at normal or elevated temperatures. It produces a clear non staining glue line.

FEATURES AND BENEFITS

TimbaTech03 is an excellent adhesive for edge to edge bonding of solid timber where very short clamp times are required.

TimbaTech03 is an excellent adhesive for use in mechanical clamping systems.

Water resistance exceeds DIN 68 602-D3, this means it is suitable for use in exterior conditions, but the glue line must be protected.

Good creep resistance.

Water based and non flammable.

APPLICATIONS

- Edge gluing timber sections
- Edge gluing for furniture/joinery work
- Applications where fast turnaround is required.

SURFACE PREPARATION

Wood surface to be glued must be clean, dry, and free of dust, oils, grease and all finishes.

Substrates should be freshly machined to maximize the glues wetting out of the timber.

Joints should be close fitting.

The work area, glue and substrates for bonding should be a minimum of 15°C.

The moisture content of the wood should be between 8 to 12%.

APPLICATION INSTRUCTIONS

TimbaTech03 is used as supplied.

Ensure surface to be bonded are clean, dry and free from oil, dust and any other contamination. Joints should be close fitting. Apply glue to one surface at a coverage rate to ensure wetting out of both surfaces to be joined. Press/clamp while adhesive is still wet.

TimbaTech03 has a short assembly time, so pressure needs to be applied to the joint assembly within the 'open' time. This will vary with the density, 'wet-out' characteristic, moisture content of the substrates, and the atmospheric conditions occurring when gluing. Low temperature, damp conditions will extend the clamp time required.

ASSEMBLY CONDITIONS

Apply at a coverage rate of 5-10m²per litre of glue according to the substrate characteristics and working conditions.

- Open Assembly Time 3 minutes at 20°C
- Closed Assembly Time 8 to 10 minutes (depending on timber density)at 20°C

Clamp Times (Minimum)

Temperatures	Low Density Timbers	High Density Timbers
20°C	45 to 60 minutes	60 to 90 minutes
30°C	30 to 40 minutes	45 to 60 minutes

Glue lines should show glue squeeze out on application of pressure.

Where the minimum pressure period is used, 'dead' stacking of the freshly bonded panel or timber assemblies for 24 hrs prior to machining is recommended.

PRECAUTIONS

- Please note some timbers such as Blackwood and Beech may be susceptible to stain development and discoloration from adhesive, which are acidic in nature (low PH) such as **TimbaTech03**.
- Use of adhesive in very cold conditions may result in poor film formation with powdery glue line.
- Store adhesive off concrete floors and preferably in a warm environment during winter months.
- Trials are recommended to confirm suitability.

CLEAN UP

Wipe excess glue from joints with clean wet cloth before glue has set.

STORAGE AND HANDLING

Store in unopened sealed plastic containers in warehouse conditions. Do not store directly on concrete. **TimbaTech03** is acidic in solution so should be used with plastic equipment. Contact with metal containers or equipment, other than stainless steel, in storage or use is not good practice and may cause staining problems in the glue line.

STORAGE LIFE

Typically 9months at 25°C, in the original, sealed plastic container.

HEALTH AND SAFETY

Please refer to Material Safety Data Sheet available on our Website www.timbatechsolutions.com

OTHER TECHNICAL INFORMATION SPECIFIC TO THIS ADHESIVE

Adequate tests should be carried out on any new or unfamiliar applications to ensure this product is suitable for the specific task.

Samples are available free of charge to assist this procedure.

Material Safety Data Sheet available on request.

Disclaimer – The statements made herein are based on our experience gained to date. They are to be considered as information without obligation. Please test and establish for yourself our product's suitability for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical advisory service, which is rendered free of charge and without obligation