

TIMBATECH 04

JOINERY CROSSLINKING WOOD GLUE

DESCRIPTION

TimbaTech04 is a fast setting, medium solids, single pack, crosslinking PVA.

TimbaTech04 is an excellent adhesive for joinery where high bond strengths, good water/humidity resistance and short clamp times are required.

FEATURES AND BENEFITES

- Fast setting
- A single pack product producing a clear glue line.
- Water resistance exceeds DIN 68 602-D3.
- Good creep resistance, exceeding the requirements for Resistance to Sustained Load of BS 4071.
- Waterbased and non flammable.

APPLICATIONS

- General joinery gluing
- Suitable for use on many soft and hard woods

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

1. Apply adhesive to one surface only at a coverage rate of 5 - 10m² per litre of glue according to the substrate characteristics and working conditions.
2. Bring the second surface into contact and clamp assembly firmly and evenly while adhesive is still wet.
3. Clamps may be removed after a minimum of 3 hours at 20°C, depending on the moisture content/density of the materials being bonded.

TimbaTech04 has a relatively 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 considerably.

CLAMPING PRESSURES

Enough pressure to bring joints tightly together with some glue "squeeze out" is required.

CLAMP TIMES

Apply at a coverage rate of 5 - 10m² per litre of glue according to the substrate characteristics and working conditions.

Temperature	Low Density Timber	High Density Timber
20°C	90 minutes	180 minutes
30°C	60 minutes	90 minutes

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

Ensure adequate tests are conducted before using commercially. Mix thoroughly before use.

PRECAUTIONS

Please note some timbers such as Blackwood and Beech may be susceptible to stain development and discolouration from adhesives, which are acidic in nature (low PH) such as [TimbaTech04](#).
Use of adhesives in very cold conditions (below 10°C) may result in poor film formation with powdery glue line.

CLEAN UP

Wipe excess glue from joints with clean wet cloth before glue sets. Clean up excess and equipment with water prior to setting.

STORAGE AND HANDLING

Store in a cool, dry place, out of direct sunlight. Storage areas must be well ventilated and comply with Local, State and Federal regulations. For maximum shelf life, store between 5°C and 20°C.

Do not allow product to freeze.

Ensure containers are well sealed when not in use.

[TimbaTech04](#) 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.

Do not store directly on concrete.

STORAGE LIFE

Shelf life is up to 9 months when stored in original, unopened containers, under the above conditions.

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