

TIMBATECH 07

HIGH WATER RESISTANT ONE PART WOOD GLUE

DESCRIPTION

TimbaTech07 is a medium setting, high performance, and single pack modified cross linking PVA adhesive that develops exceptional bond strength, high heat and very high water resistance.

TimbaTech07 is suitable for applications where good water resistance is required such as window manufacturing, doors and kitchen and bathroom applications, where very high water resistance is required and in high humidity areas.

FEATURES AND BENEFITS

- Excellent water resistance.
- D4 - according to the standard EN 204/205
- Excellent heat resistance
- Medium Setting
- Suitable for use with RF curing equipment
- Water based and non flammable
- Suitable for hot and cold pressing applications

APPLICATIONS

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

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).

FF HWRXL is acidic. Use of adhesives in very cold conditions may result in poor film formation with powdery glue line. Do not use in environments that are below 10°C during the cure process.

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

- Ensure the surfaces are clean, dry and free from oil, dust and any other contamination. The moisture content of the timber should be in the range of 10 – 12%.
- FF HWRXL is suitable for roller application. Tests should be carried out to determine application rate on each species of veneer as this could vary depending upon absorption rates. An indicative rate to achieve a good bond is 160 – 190 g/m².

PROPERTIES

Type:	Single Pack Cross linking PVA
Viscosity:	Medium to high
PH:	3
Open Time:	6 minutes @ 20°C
Closed Assembly Time:	10 minutes @ 20°C
Clamp Time:	60 minutes on soft woods, 90 minutes on hardwoods

NOTE Above times can vary due to moisture content and porosity of substrates.

VENEER AND PRESSING APPLICATIONS

Recommended pressing platen temperature is 90 – 105°C for approximately 45 – 60 seconds at pressures between 4– 6 bar. Variation in timber species, moisture content and veneer thickness will affect the cure rate of the FF HWRXL. It is recommended that tests be conducted to confirm suitability.

RF CURING APPLICATIONS

TimbaTech07 is suitable for use with RF Curing equipment. Trials should be conducted with the timber species and sections to be used in production to optimise curing conditions.

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 TimbaTech07.
- 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

Clean up excess and equipment with water prior to PVA setting. After curing, strong solvents such as Acetone may be required, to remove the dried film.

STORAGE AND HANDLING

Keep containers sealed and store out of direct sunlight. Do not store directly on concrete. 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 areas must be well ventilated and comply with Local, State and Federal regulations.

STORAGE LIFE

Typically 6 months 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