

PRODUCT DATA

Date: JANUARY 1995

Code: 01940/6

Evo-Stik Resin 'W' Wood Adhesive Weatherproof

Features

- Bond strength generally better than timber itself.
- Good application characteristics.
- Fast setting.
- Dries translucent.
- Can be used on all commonly available joinery timbers.
- Freeze/thaw stable.
- Complies with BS 4071 : 1966 (EN 204).
- Water resistant, meets EN 204 D3.
- Non-flammable.

Evo-Stik Resin 'W' Weatherproof Wood Adhesive is a one part water-resistant synthetic resin emulsion adhesive for general bonding of wood assemblies for non-structural applications. It has suitable properties for internal use and for protected external use. It is not to be used for assemblies that will be continuously immersed in water, nor for those applications such as in columns or roof trusses where there is a continuous static building load.



Uses

Evo-Stik Resin 'W' Weatherproof Wood Adhesive is to be used for the assembly of framework such as the frames for doors, windows, drawers, etc. It is suitable for making mortice and tenon, dowelled, and other standard woodworking joints. It is also suitable for bonding wood veneers and laminated plastics to wood or chipboard cores. Evo-Stik Resin 'W' Weatherproof Wood Adhesive may also be used for bonding other materials such as rigid PVC or aluminium edge trim sections to recessed wood for internal use.

Shelf Life

At least 12 months when stored in its original closed containers within a temperature range of 5° and 30°C.

Packaging

125 ml, 250 ml, 500 ml, 1 litre, 2.5 litre, 5 litre and 25 litre.

Constitution

Evo-Stik Resin 'W' Weatherproof Wood Adhesive is a dispersion of a polyvinyl acetate resin in a slightly acid aqueous solution of creamy consistency.

Colour

White, drying to a translucent film.

Performance

Suitable for use at service temperatures up to 60°C, although the maximum safe temperature is dependent upon the stress applied to the bond line.

Coverage

6 to 9 m²/litre on a plane surface, dependent on the substrate porosity.

Method of Use

IMPORTANT

Before starting any work involving Evo-Stik Resin 'W' Weatherproof Wood Adhesive, the section headed "Precautions in Use" and the separate Safety Data Sheet must be studied by those carrying out the work.

Surface Preparation

Surfaces to be bonded should be smooth and finished to fit closely together; for dowelled or mortice and tenon joints the clearance should be less than 0.25 mm. Surfaces must also be clean, dry and free from dust or loose material. Light abrasion with a medium grade abrasive paper, particularly where the surface grain has been damaged by sawing or planing, normally gives an acceptable finish.

Application of Adhesive

Evo-Stik Resin 'W' Weatherproof Wood Adhesive should be used at temperatures between 7° and 30°C. Apply an even film of adhesive to one of the surfaces to be bonded. In some circumstances, where greater bond strength is required, coat all surfaces. When bonding dowels or tenons it is preferable to apply Evo-Stik Resin 'W' Weatherproof Wood Adhesive to the hole or mortice so that the wet adhesive is carried into the socket when assembly takes place. Wood which has been stored in a cold or humid environment should be allowed to condition in the workshop atmosphere before bonding.

Assembly

Assemble the parts while the adhesive film is still wet. The maximum open assembly time depends on the substrate porosity and ambient temperature, but generally falls within the range of 10 to 25 minutes.

When the parts have been assembled, maintain light pressure on the bond line during the initial setting period, using equipment such as vices, jigs, clamps or dead loads.

Setting Time

The rate of development of joint strength depends upon such variables as ambient temperature, humidity and bonding pressure, and on substrate type, porosity, temperature and water content. As a guide, beech substrates at 7°C must be maintained under pressure for at least 12 hours, whereas at 20°C and 55% relative humidity, the time under load may be reduced to little more than 1 hour.

Storage

Although Evo-Stik Resin 'W' Weatherproof Wood Adhesive is freeze/thaw stable, slight thickening may occur after long-term low temperature cycling.

Protect from frost, particularly during transport in cold weather.

Precautions in Use

Evo-Stik Resin 'W' Weatherproof Wood Adhesive is completely safe and without risk to health under any reasonable conditions of use, storage transport or disposal, provided adequate attention is paid to the following points.

HEALTH

Evo-Stik Resin 'W' Weatherproof Wood Adhesive presents no hazard on inhalation of the water vapour evolved during its drying, and has a very low order of toxicity on ingestion. Its slight acidity might be the cause of some irritation to some subjects on prolonged skin exposure to the wet adhesive, and it would also irritate the eye if such exposure occurred.

FIRST AID MEASURES

Should skin contact occur, wipe off excess promptly with a paper towel, then wash with soap and warm water.

DO NOT use solvent for skin cleansing.

In case of eye contact, irrigate for 15 minutes with water, and seek medical advice.

In case of ingestion, seek medical advice.

SPILLAGE AND DISPOSAL

Do not allow to escape to river or surface drainage. Scrape up spilt adhesive and reserve for disposal. Wash remainder away to sewer with water and detergent before it dries. Waste adhesive and emptied containers are not classified as "Special Waste", as the term is defined by the relevant regulations, and may be disposed of by landfill tipping.

Services

This Product Data Sheet covers just one of a large range of products manufactured by Evode Limited. Full information on the products and advice on application is freely available from our fully trained staff throughout the country. Specialist advice and assistance are given by our Technical Services Department.

This Product Data Sheet supersedes all previous information on this product, and users of it are cautioned to ensure that it is the current issue.

Destroy all previous Product Data Sheets, and if in any doubt, contact Evode Limited, quoting the number in the top right hand corner on the front of this document.



Evode Limited, Common Road,
Stafford, ST16 3EH, England.
Tel: (01785) 57755
Fax: (01785) 41818

This leaflet is for general guidance only and may contain inappropriate information under particular conditions of use.