



# EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior)

## WEATHERPROOF WOOD ADHESIVE FOR EXTERIOR USE

Date: 18 August 2017

Fact Sheet No.: TDS00154

### YOUR SMART ADVANTAGES

- Fast setting, extra strong, exterior adhesive that dries to form a bond stronger than the wood itself
- Dries to a clear finish
- Suitable for all wood types

### USES

EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) is a one-part synthetic resin emulsion adhesive for general bonding of wood assemblies for non-structural applications. It has suitable properties for both internal and protected external use. EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) is non-flammable and dries translucent.

EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) complies with EN204 type D3 for weatherproofing wood adhesive making it suitable for the assembly of frames for doors, windows and drawers. It is suitable for making mortice and tenon joints, dowelled, and other close fitting 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 (Exterior) may also be used for bonding other materials such as rigid PVC or aluminium edge trim sections to recessed wood.

### PRODUCT CHARACTERISTICS

Colour	White, dries to a translucent film
Form	Viscous liquid
Specific Gravity	1.02 approx.

Composition	Modified polyvinyl acetate emulsion (PVAc)
Product Code	30602826 125ml x 24 30602828 250ml x 12 30602827 500ml x 12 30813223 1 Litre x 12 30813224 2.5 Litres x 1 30813225 5 Litres x 1

Storage/Shelf Life	Store for up to 24 months from date of manufacture when stored in original, unopened packaging under dry conditions within the temperature range of +5°C to +25°C. Protect from frost.
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Odour	Sweet
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### TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +25°C
Temperature Resistance	-20°C to +60°C, although the maximum safe temperature is dependent upon the stress applied to the bond line
Drying Times	24 hours at 20°C
Open Time	10 to 15 minutes
Water Resistance	EN204 Type D3



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BS EN ISO 9001:2008

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## DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) refer to the relevant Health & Safety Data Sheet, available at [www.bostik.co.uk](http://www.bostik.co.uk).

## PREPARATION

1. Surfaces to be bonded must be smooth and finished to fit closely together; for dowelled or mortice and tenon joints the clearance must be less than 0.25mm. Surfaces must also be clean, dry and free from dust or loose material. Light abrasion with a medium grade abrasive paper, particularly where sawing or planing has damaged the surface grain, normally gives an acceptable finish.
2. EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) should be used at temperatures between 5°C to 25°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 the 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 must be allowed to condition in the workshop atmosphere before bonding.

## APPLICATION

3. Assemble the parts whilst 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 5 to 10 minutes.
4. 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.
5. The rate of development of joint strength depends upon such variables as ambient temperature, humidity and bonding pressure. In addition to 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.

## CLEANING

6. A moist cloth will remove the 'wet' adhesive but be careful not to spread a thin film onto nearby wood, which might later be varnished or painted. It is sometimes safer to allow the adhesive to just dry then pare off the excess.

## PRECAUTIONS IN USE

EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) is unsuitable for use in applications such as in columns or roof trusses where there is a continuous static building load.

EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) is not suitable for use on joints subject to continuous water immersion.

When using EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) in external applications, bond lines can

appear white when coming into contact with water. It is recommended to protect against this by either varnishing or painting where necessary.

Do not use EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) below the temperature of 5°C, as the adhesive will dry white and produce a weak bond.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit [www.bostik.co.uk](http://www.bostik.co.uk) for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data Sheet for EVO-STIK Resin 'W' Weatherproof Wood Adhesive (Exterior) available at [www.bostik.co.uk](http://www.bostik.co.uk).

BOSTIK HOTLINE

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