



# EVO-STIK Polyurethane (PU) Wood Glue

## MOISTURE CURING POLYURETHANE GEL PASTE

TECHNICAL SHEET NO: TDS00148 10/01/2024

### SMART ADVANTAGES

- Excellent water resistance
- Cures rapidly
- Bonds many rigid porous and non-porous surfaces

### DESCRIPTION

EVO-STIK Resin 'W' Polyurethane Wood Adhesive is based on a moisture curing, single part polyurethane resin system. It cures rapidly and joints can, generally, be carefully handled after just 5 minutes. It has excellent water resistance.

EVO-STIK Resin 'W' Polyurethane Wood Adhesive is ideal for bonding wood and many other hard, rigid and porous surfaces such as concrete, plaster and brick. It is also ideal for bonding many rigid non-porous materials such as metals, foamed polystyrene, GRP and PVC. However, one of the surfaces being bonded must be porous.

It will not bond to polythene (polyethylene), polypropylene, EPDM rubber, Teflon and some engineering plastics such as nylon. The product is not intended to be used as a sealant.



### TECHNICAL CHARACTERISTICS

Colour	Transparent
Form	Thixotropic paste
Composition	Polyurethane pre-polymer
Specific gravity	1.1 approx.
Solids Content	100% approx.
Application Temperature	+10°C to +35°C
Temperature Resistance	When cured: -30°C to +100°C

### APPLICATION

**IMPORTANT:** Before using EVO-STIK Polyurethane Wood Glue, refer to the relevant Health & Safety Data Sheet, available at [www.evo-stik.co.uk](http://www.evo-stik.co.uk).

### PREPARATION

- EVO-STIK Resin 'W' Polyurethane Wood Adhesive must only be used when one of the surfaces to be bonded is porous. Surfaces must be clean and free from any loose material or contamination such as grease etc.
- Non-porous surfaces should be abraded to give a good key.
- Porous surfaces should be moistened with water.

- Ensure to protect any vulnerable surfaces during application.

#### APPLICATION

- Apply thin beads to one of the surfaces and then carefully press the two together.
- Lightly clamp the substrates to produce a thin bondline.
- In good conditions the bond can be lightly handled after 5 minutes. This time will be extended if the conditions are cool or dry. It will be greatly extended if excess adhesive is used.
- Full cure will be achieved in about 24 hours at 25°C.

#### CLEANING

- Removal of this adhesive is extremely difficult even when it is uncured. It is advisable to protect any vulnerable surfaces.

#### Uncured Adhesive:

Carefully scrape up excess adhesive and then remove the remains using acetone. It will be almost impossible to remove the uncured adhesive from cloths and porous or rough surfaces.

#### Cured Adhesive:

This can only be removed mechanically. The best time is when it has just cured.

#### STORAGE

Store for up to 12 months from the date of manufacture when stored in original, unopened packaging under dry conditions within the temperature range of +5°C to +25°C.

#### PRECAUTIONS IN USE

EVO-STIK Resin 'W' Polyurethane Wood Adhesive must only be used when one of the surfaces to be bonded is porous. EVO-STIK Resin 'W' Polyurethane Wood Adhesive will not bond to polythene (polyethylene), polypropylene, EPDM rubber, Teflon and some engineering plastics such as nylon. The product is not intended to be used as a sealant.

Do not use excess adhesive as this will greatly extend the clamping time and also produce a weaker bond. Clamping is necessary because the curing process produces carbon dioxide as a by-product and this causes foaming which would lead to a very much weaker and less resistant bond.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit [www.evo-stik.co.uk](http://www.evo-stik.co.uk) or 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 Polyurethane Wood Glue, available at [www.evo-stik.co.uk](http://www.evo-stik.co.uk) for advice.

#### PACKAGING

Product codes	30615903	500ml x 12 Bottles
	30615907	C20 x 12 cartridges

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