



EVO-STIK Resin 'W' Polyurethane Wood Adhesive

MOISTURE CURING POLYURETHANE GEL PASTE

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Fact Sheet No.: TDS00148

YOUR SMART ADVANTAGES

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

USES

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.

PRODUCT CHARACTERISTICS

Colour	Transparent
Form	Thixotropic paste
Specific Gravity	1.1 approx.
Composition	Polyurethane pre-polymer
Solids Content	100%
Product Code	30615907 310ml x 12

30813228 500 ml x 12

Storage/Shelf Life

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.

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature

+10°C to +35°C

Clamping Time

5 minutes at 25°C but longer if colder or if the humidity is low.

Cure Time

90% of full cure in 24 hours at 25°C

Temperature Resistance

When cured: -30°C to +100°C

Flashpoint

> +100°C

Coverage

310ml: Up to 11 linear metres of 6mm diameter bead
500ml: Up to 18 linear metres of 6mm diameter bead

DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK Resin 'W' Polyurethane Wood Adhesive refer to the relevant Health & Safety Data Sheet, available at www.bostik.co.uk.

PREPARATION

1. 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.
2. Non-porous surfaces should be abraded to give a good key.

3. Porous surfaces should be moistened with water.
4. Ensure to protect any vulnerable surfaces during application.

APPLICATION

5. Apply thin beads to one of the surfaces and then carefully press the two together.
6. Lightly clamp the substrates to produce a thin bond-line.
7. 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.
8. Full cure will be achieved in about 24 hours at 25°C.

CLEANING

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

Uncured Adhesive:

10. 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:

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

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.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' Polyurethane Wood Adhesive, available at www.bostik.co.uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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