
EVO-STIK POLYURETHANE WOOD ADHESIVE

MOISTURE CURING POLYURETHANE GEL PASTE

Evo-Stik 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, complying with BS-EN 204: Class D4.

APPLICATIONS

- Evo-Stik Polyurethane Wood Adhesive bonds wood and many other hard rigid porous surfaces such as concrete plaster and brick.
- It also bonds many rigid non-porous materials such as metals, foam polystyrene, grp, pvc etc.

Limitations

- One surface MUST be porous.
- 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.

BONDING INSTRUCTIONS

- Surfaces must be clean and free from any loose matter or contamination such as grease etc.
- Non-porous surfaces should be abraded to give a good key.
- Porous surfaces should be moistened with water.
- Apply thin beads to one of the surfaces and then carefully press the two together.
- Lightly clamp the substrates to produce a thin bond-line.
- 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.

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 or gun foam cleaner. 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.

Please note:

- 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.

Date: 30 November 2004

Information Sheet No.: ZB0439

- COVERAGE:** A cartridge will produce up to 10.5 metres of a 6mm diameter bead.
- SHELF LIFE:** Up to 12 months from the date of manufacture when stored correctly.
- STORAGE:** Store in dry conditions between 5°C and 25°C.
- COLOUR:** Translucent, but may yellow in sunlight.
- PACKAGING** Code:
718425 C20 x 12
- HEALTH AND SAFETY** Available separately in file named as the packaging code above.

TYPICAL CHARACTERISTICS

- Physical form: Transparent, thixotropic paste
- Chemical type: Polyurethane pre-polymer
- Solids content: 100%
- Colour: Transparent
- Density (SG): 1.1
- Application temps: 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
- Temp. resistance: When cured: -30°C to 100°C
- Flashpoint: >100°C
- UN Class; # Not designated as hazardous

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