

Timbond 5 Min Rapid Gel Polyurethane (PU) Adhesive



Product description

A single-part, fast setting, moisture curing polyurethane, thixotropic gel dispensed via a cartridge-system. Designed for creating waterproof bonds between a wide range of materials including almost all construction materials. As the adhesive is gel it is a non-drip adhesive which gives a level of gap filling to the bond line.

Timbond PU Adhesive rapid has excellent adhesion to wood, chipboard, polyurethane, mineral wool, concrete, stone, bricks, gypsum boards, all traditional porous substrates and can be used in a wide range of bonding applications.

It is ideal for all types of wood bonding and joinery, bonding wood constructions, boats, jointing sandwich panels and insulation as well as many other applications.

At least one of the surfaces to be bonded must be porous to allow moisture to reach the adhesive and effect the cure. Cure can be assisted by slightly moistening one surface with a damp cloth but not over wet.

Directions for use

Note: At least one of the surfaces to be bonded must be porous and ensure surfaces are always clamped during cure.

The surfaces to be bonded must be clean and free from dust and other contaminants.

Cartridge application

1. Cut tip of the cartridge and screw on the nozzle. Cut nozzle to an angle of 45 degrees.
2. Apply the adhesive, using a standard cartridge gun to one of the surfaces to be bonded and assemble the bond immediately (within 5 minutes).
3. Apply pressure to the bond, by means of a clamp.
4. The product will foam slightly on application to fill any small gaps.
5. Clean any excess adhesive immediately with solvent 4. Cured adhesive will be difficult to remove, however soaking for long periods can assist.

Packaging

Available in 310ml cartridges.

Storage

12 months shelf life in unopened cartridges stored between 10°C and 25°C.

Benefits

- Fast setting 5 minute system
- Non slumping, ready to use gel
- Solvent free
- Totally non flammable
- Fully waterproof to EN 204 D4
- High performance bonds between a wide range of materials
- Excellent weathering and aging properties
- Foams slightly to fill gaps
- Excellent chemical resistance.

Suitable for:

- Wood jointing and construction
- Window and door frame manufacture
- Door manufacture
- Furniture manufacture
- Staircases
- Structural panel jointing
- Insulation bonding
- Boat building

NB. not suitable or polyethylene, polypropylene and other low surface energy materials.

Technical data

| | | | |
|------------------|-----------------------------|-------------------|------------------------|
| Base | Polyurethane | Application Temp. | 5°C to 35°C |
| Solids | 100% | Tack Life | 5 minutes |
| Viscosity | Thixotropic Gel | Skinning Time | 30mins @ 23°C & 50% RH |
| Coverage | N/A | Cleaner | Solvent 4 |
| Colour | Translucent | Flashpoint | Non-flammable |
| Appearance | Translucent Thixotropic Gel | Shelf Life | 12 months |
| Temp. Resistance | -30°C to 100°C | | |