

ToughBond+ PU Adhesive Information Sheet



Areas of Use

- Joinery and carpentry.
- Window and door manufacture and repair.
- Model making.
- Garden furniture.
- Staircases.
- Boats.
- Wooden constructions.
- Sandwich panels.
- Insulation materials.
- Hard and soft wood.
- Chipboard.
- Metals.
- Polyurethane.
- Expanded and extruded polystyrene foams.
- Mineral wool.
- Concrete.
- Stone.
- Bricks.
- Gypsum boards.
- MDF.
- Ply.
- Leather.
- Cardboard.
- Laminated boards.
- All traditional porous substrates.

Description

SkilledBuild ToughBond+ PU Adhesive is suitable for timber and building products and has been developed using the latest fast curing, sea water and chemical resistant Polyurethane technology; meaning it is capable of making bonds stronger than wood itself.

The adhesive is so effective because it expands slightly when curing to fill gaps and ensure maximum adhesion is achieved.

It dries in just 30 minutes to produce an extra strong strength and can be used indoors or out.

Directions for use:

Preparation:

Ensure all surfaces are clean, dry and free from grease, oil, old glue or any other contaminants that may hinder adhesion.

Application:

- Remove lid and carefully cut the tip off the nozzle to an angle of 45°C, using scissors or a craft knife. Alternatively, for large areas unscrew the top and squeeze the product into a tub for application by brush.
- Apply the adhesive to one surface only then bring the two surfaces together immediately. Apply firm pressure and clamp for a minimum of 10 minutes. On porous surfaces apply a thin coat to each surface. Moisture in the materials or when lightly added to one surface will cause the adhesive to foam and expand. This quality can be successfully used to fill gaps and irregularities in the joint to improve the integrity of the bond.
- Remove any excess adhesive whilst using a cloth. This is important as this may affect the penetrating colour of a wood finish that is applied later. Dried ToughBond+ PU can be sanded off or scraped with a knife or chisel.
- Good bond strength is achieved after 30 minutes but will enhance for 24 hours. Apply at normal room temperature and not below 4°C (39°F).

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Product Data

Coverage: 120 – 250g per m² depending on substrates.

Shelf Life: 6 months in sealed, original packaging kept at between 5 – 25°C.

Storage: Store in cool, dry and well ventilated conditions. Protect from frost and keep out of direct sunlight. Discard if subjected to temperatures below 1°C or above 50°C. Tightly cap container after use to protect the contents from moisture.

Key Benefits

- Good flexibility.
- Water resistant (including salt water).
- Frost resistant.
- Resistant to most acids.
- Resistant to most chemicals.

Important Information

SkilledBuild is committed to development and supply of quality products and may substitute or change product branding or specification or technical data without notice. Always check for latest information.

All information provided is based on practical tests & published data and is intended to guide a competent DIY user or contractor in the typical use of products for minor works but is without guarantee. If a failure of the works will be costly to repair or hazardous then design & execution must be undertaken by competent persons. Further advice should be sought from a suitably qualified advisor. Skilled Build may be able to answer simple product enquiries.

Since application and working and user competence is beyond our control, no liability of the supplier can be derived from the contents of information sheets or other general information provided. Any statements made beyond the contents of SkilledBuild's website or product labels must be confirmed in writing by the supplier.

Disposal of Containers:

- Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health and Safety:

- Contains isocyanates. See information supplied by the manufacturer.
- Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact. Avoid contact with skin and eyes. In the event of contact, irrigate eyes immediately with clean water for 15 minutes and wash skin contamination with soap and water. Harmful by inhalation. Do not breathe vapour. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).
- Keep out of reach of children.
- Contains 4'4' diphenylmethanediisocyanate, isomers and homologues.
- Limited evidence of carcinogenic effect.
- Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- In case of accident by inhalation, remove casualty to fresh air and keep at rest.
- Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
- Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.