

Technical Data Sheet

Unobond

Solvent-free, quick-setting, polyurethane adhesive**Water resistant bonding (D4 classification)****Suitable for a marine environment**

Adheseal
The Adhesive and Sealant Specialists

Description

Unobond is a structural grade polyurethane adhesive that reacts with humidity to cure. Fully cured Unobond has a strong structural highly water resistant bond.

Typical Uses

UNOBOND has excellent adhesion to all common building materials like wood, plasterboard, particleboard, aluminium, iron, steel, sheet metal, polystyrene foam, insulation foam, concrete, FC. sheeting, brick, masonry, veneer, melamine, and many plastics (testing is recommended) and many other common substrates. UNOBOND will adhere all of these product to themselves or to one another provided one of the two surfaces contains moisture.

Also suitable for exterior woodwork and in marine environments.

Benefits & Features

- **SUPERIOR BOND STRENGTH**
- **NO MIXING**
- **FAST SETTING**
- **EXTREMELY VERSATILE**
- **RESISTS LOW TEMPERATURES**
- **HIGHLY WATER RESISTANT**

Application

Surface must be clean, dry, even and free from grease.

Apply a bead with a cartridge gun.

Bring both substrates immediately together and clamp, nail or screw to apply pressure for about 30 minutes. (It is not necessary to have a high pressure but a regular one on the entire surface. The surfaces should remain in contact during the curing time.

Unobond expands slightly thus filling any irregularities in the substrate.

To stop floors squeaking apply a bead into the groove of each panel before mating the tongue with the next panel. The excess Unobond will expand taking up any void that is present in the tongue and groove. For flooring applications the adhesive should be applied to the flooring manufacturer's specifications.

Remarks

Surfaces must be clean, sound, free from dirt, grease laitance, loose particles or other contaminants and should have a maximum humidity of 30%.

Limitations

When used as gap filler the strength of the adhesive is reduced.

To achieve maximum strength pressure is required during the period of curing. This can be achieved by pressing, screwing or nailing.

Physical Properties:

Type of product	Polyurethane Adhesive
Specific Gravity	1.03
Colour	Uncured: Translucent / Cured: Cream/brown
Skinning	@23° & 50%RH 10 min
Initial Set	30 min
Full Strength	24 hrs
Pressing Time	1hr @ 0.6 N/mm ²
Use Temperature	+5° to 35°C
Temp. Resistance	-30°C to 100°C
Tear Resistance	Up to 130kg/cm ²
Tensile Strength (Tested on Beech)	5N/mm ²
Sensitivity	Insensitive to Frost Sensitive to Humidity (cures product) uninflammable
Consumption	120 to 250gm/m ²
Test certificates	Classified D4 water resistant bond
Shelf Life:	Minimum 12 months in unopened containers at temperatures between 15°C and 25°C

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Safety:

This product is not classified as hazardous according to Work safe Australia however skin irritation and sensitisation may occur in sensitive individuals. Please consult M.S.D.S. for this product for further information.

Guarantee / Warranty:

We warrant our products to be free of defects and manufactured to rigid quality control specification. As it is impossible to control the use and application of the products, the company's liability is limited to replacing such quantities of product as are proven to be defective. The company disclaims any claims for repainting or other labour resulting from the use of the product. No responsibility is assumed for consequential damages arising from the use of the product. All other warranties including (merchantability or fitness for a particular purpose) are excluded. No representative of the company is authorised to grant any warranty or waive this limitation of liability. All claims concerning product defects must be made within twelve months of shipment. Absence of such claim in writing during this period will constitute a waiver of all such claims with respect to such product.

Adequate Tests:

The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendation and suggestion contained herein are made without guarantee or representation as to the results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all your