Adheseal

Technical Data Sheet:

Unobond

Solvent-free, quick-setting, Polyurethane Adhesive.
Water resistant bonding (D4 classification)
Suitable for a marine environment.

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, PARTICALBOARD, ALUMINIUM, IRON, STEEL, SHEET METAL, POLYSTRYENE FOAM, INSULATION FOAM, CONCRETE, F.C. SHEETING, BRICK, MASONARY, VEENEER, 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.

Advantages:

SUPERIOR BOND STRENGTH

NO MIXING

FAST SETTING

EXTREMELY VERSATILE

RESISTS LOW TEMPERATURES

HIGHLY WATER RESISTANT

Properties:

Product Type:	PU Adhesive
Specific Gravity	1.03
Colour	Uncured =Translucent
	Cured = Cream/brown
Skinning @23° & 50% RH	10min
Initial Set	30min
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

Insensitive to frost
Sensitive to humidity (cures product)
Uninflammable

Consumption	120 to 250gm/m^2

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 nest 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 manufacturers specifications.

Remarks:

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

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Limitations:

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

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

Shelf life:

Minium 12 months in unopened containers at temperatures between 15°C and 25°C.

Guarantee/Warranty:

We warrant our products to be free of defects and manufactured to rigid quality control specifications. 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 claims in writing during this period will constitute a waiver of all 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 recommendations and suggestions 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 requirements.

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