



# TECHNICAL DATA SHEET

## **BUILDERS BOND**

### **High Strength Construction Adhesive**

#### PRODUCT DESCRIPTION

Builders Bond is a one part mild solvent and rubber-based all purpose construction adhesive that delivers a consistently strong and lasting bond on most building substrates.

#### PRODUCT FEATURES

- Excellent resistance to water and weather makes it suitable for interior and exterior applications.
- Easy to extrude from the cartridge at low temperatures.
- Helps you do the best job the first time by:
  - Non drip or non-sag formulation
  - Bridging gaps on rough and ill fitting construction material
  - Being flexible enough to withstand shrinkage and thermal movement
  - Able to paint over when dry

#### TECHNICAL DATA

##### Color

Wet Beige  
Dry Beige

##### Consistency

Thixotropic

##### Homogeneity

No seediness; no lumps

##### Solid Content

By Weight (%) 79 – 83

By Volume (%) 56 – 62

**Slump (Non Sag property)** 40 mm (maximum)

**Specific Gravity@25°C** 1.35 - 1.45

**Skinning Time, 30°C** 18 – 23 seconds

**Tack free time, 30°C** <20 minutes

**Setting time, 25°C** 2 hours (depending on surface porosity)

**Full Cure, 25°C** 2 - 3 days for porous surface; 1 week for non-porous surface

**Effect on EPS** 0.5 – 3.5 mm

**Reaction to Mirror Back** no reaction

##### Coating

**Viscosity, 25°C** 1,300,000 – 1,900,000 cps

**Pumpability** 5 – 11 psi

##### Lap Shear Strength

**On Steel (1" x 1" x 0.40")** 167 Psi (1.15 MPa)

**On Wood (1.5" x 1.5" x 0.65")** 263 Psi (1.81 MPa)

**Tensile Strength** 978 Psi (6.74 MPa)

**Shelf life (at 25°C)** 12 months

#### AREAS OF APPLICATION

- Raised Flooring
- Sheet flooring or joist
- Cornices or Mouldings
- Mirrors
- Steel Stud/Fiber Board
- Metal or aluminum door strip to floor or walks
- Ceramic, Tiles, and Glass
- Timber or fiber cement sheeting to cement block or brick walls
- In the groove of tongue and groove flooring
- EPS Foam
- Plastic

#### INSTRUCTION FOR USE

Builders Bond can be applied either as a two-way contact or a one-way stick adhesive. In both cases, the first requirement is that both surfaces to be bonded are clean, dry and free of grease, oil and dust. Any loose or flaking paint must be removed and lightly sanded before application. Check compatibility of adhesive with existing paint, i.e., apply small amount of adhesive on the painted surface and see if paint will peel-off. If paint peels-off, remove paint first before using the adhesive.

To one of the freshly prepared surfaces, apply a 4mm-6mm bead of adhesive with a cartridge or extrusion gun or make a similar type profiles with a notch trowel. Beads should not be more than 45cm apart and butt joints; adhesive should be applied on both panel edges. Bring both surfaces together immediately.

#### TWO-WAY METHOD

Press firmly over entire surface to transfer adhesive and then pull both surfaces apart. Allow to tack-off for a few minutes (3-5 minutes depending on ambient weather conditions) and then reposition and press firmly together. Contact area should then be tapped with a hammer via a padded block to ensure intimate contact. Depending on the weather conditions and surfaces bonded, maximum bond strength will take from 12-72 hours so temporary mechanical fastening should be retained for at least this period.



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#### **ONE-WAY METHOD**

This is recommended for heavier panels or those that are formed to place a loading or stressed memory on the bond line.

After applying adhesive and bringing substrates together, they should be sufficiently clamped, nailed or screwed in a fashion that maintains a maximum surface contact at bonded interfaces. Mechanical fasteners should be retained if highly stressed; but temporary fastening can be released after a minimum of 24 hours.

For flooring applications, the adhesive should be applied to the flooring as per manufacturer's specifications. To stop floor squeaking, apply a bead of adhesive into the groove of each board after it is laid and immediately prior to matching the tongue to the next panel.

Sealant vapor are flammable when temperatures exceed flash point. Use foam dry chemical or carbon dioxide to fight fire. Fire fighters should wear full protective clothing and self-contained breathing apparatus with full face-piece.

#### **PACKAGING**

Builders Bond is available in 300mL cartridge and 100g pouch.

#### **HEALTH AND SAFETY**

- Irritating to skin and eyes. Use in well ventilated area. Keep away from sources of ignition – no smoking. Do not empty into drains.
- Harmful or fatal if swallowed. Do not induce vomiting. Consult a physician.
- KEEP AWAY FROM REACH OF CHILDREN.

#### **CLEAN-UP**

Any wet or partially wet adhesive can be removed by scrapping and use of solvent. Dried adhesive is best removed with a scraper or by sanding.

#### **STORAGE**

Store in a cool dry and well-ventilated area and away from direct sunlight. Keep containers securely sealed. Store away from foodstuffs and incompatible materials.

#### **FIRE**