

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.

Key Features

- Excellent resistance to water and weather makes it suitable for interior and exterior applications.
- Easy to extrude from the packaging material
- No mixing needed
- 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
 - Flexible enough to withstand shrinkage and thermal movement
 - Paintable when dry



Applications

- Raised Flooring
- Sheet flooring or joints
- Cornices or Mouldings
- Mirrors
- Steel Stud / Fiber Board
- Metal or aluminum door strip to floor or walk
- 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

Application Procedure

Builders Bond can be applied either as a two-way contact or a one-way stick adhesive.

A. Surface Preparation

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.,

Product Specifications / Typical Properties / Physical Characteristics

Table 1.

Physical Properties- Uncured state*

Parameters	Results
Appearance	Beige, thixotropic paste
Odor	Mild solvent odor
Solids Content -By weight (%)	79-84%
Specific Gravity	1.375
Viscosity @25°C	2,000,000 cps
Slump	Nil
Tack Free Time @ 24-33°C	5-8 minutes
Extrudability	Easy
Extrusion rate @ 90 psi	364 mL/minute
Flash Point	40°C
Boiling Point	138°C

Table 2.

Physical Properties, Cured State

Parameters	Results
Cure-thru time	7-14 days
Hardness (after 7 days), shore A	40-60
Tensile Strength ASTM D412	370-600 psi
Elongation at break ASTM D412	2-17%
Lap Shear Strength (wood-wood)	
ASTM D905	400 psi
Effect on EPS	Negligible
Reaction to mirror back coating	None

*Typical Values and characteristics only.

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.

B. Method

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.

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 24hours.

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.

D. Cleaning

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

Application Equipment (if applicable)

Use caulking gun for cartridges.

Packaging

SKU	Packaging	Weight of set, kg	Quantity per box
300 mL- Local	Cartridge	0.41	12 pcs
300 mL- Export	Cartridge	0.41	24 pcs
279 mL- Export	Cartridge	0.38	12 pcs
Gallon-Local	Tin Can	3.78	4 pcs
100g Pouch	Aluminum Pouch	0.10	30 pcs

Certification and Compliance

Type	Results	Limits
Volatile Organic Content (VOC), g/L	7.5	VOC limits • Multipurpose construction adhesives- 70 g/LL

Storage

Store in a cool, dry and well-ventilated area, preferably 30oC maximum and away from direct sunlight. Keep containers securely sealed. Store away from food and incompatible materials.

Shelf Life

18 months from manufacturing date when the required storage condition is followed.

Health and Safety Precautions



DANGER!

Hazards

Flammable liquid and vapor.
 May be harmful if swallowed.
 Harmful in contact with skin.
 Causes skin and eye irritation.
 May cause respiratory irritation or drowsiness.
 May be fatal if swallowed and enters airways.

Precaution

Keep away from combustible materials.
 Keep container tightly closed.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting equipment.
 Use only non-sparking tools.
 Take precautionary measure against static discharge.
 Wear protective gloves/clothing/eye and face protection.
 Wash skin thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Call a poison center or doctor/physician if feeling unwell.

If on skin or hair: Rinse with water/shower. Remove/take off immediately all contaminated clothing and wash before re-use. If skin irritation occurs, get medical advice/attention.

If swallowed: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do not induce vomiting.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

In case of fire: Use water spray to blanket fire, cool fire exposed containers. 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.

KEEP OUT OF REACH OF CHILDREN.

Warranty and Disclaimers

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Pioneer Adhesives, Inc.
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ISO 9001:2015 and ISO 14001:2015 Certified

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