

## Builders Bond Turbo

### Product Description

**Pioneer Pro Builders Bond Turbo** is an advanced hybrid construction adhesives best for heavy-duty usage. It adheres to most surfaces and materials instantly. It can hold up to 1,200 kgs per 100 square centimeters. It is heavy-duty and can withstand exposure to chemicals and strong weather conditions. It has an excellent flexibility, good vibration and fatigue resistance. Best for both indoor and outdoor use as it doesn't have foul odor and just a minimal VOC that is harmful to the environment.

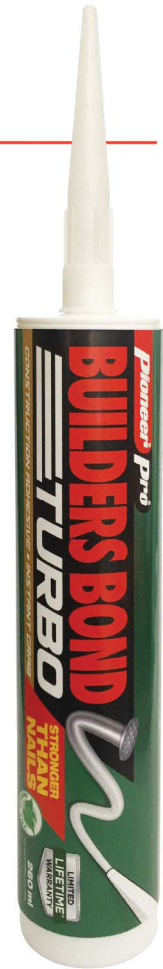
### Key Features

- Instantly adheres materials and can hold up to 1,200 kgs for every 100 square centimeter area.
- Heavy-duty use best for both indoor and outdoor repairs and fixes.
- It is permanently flexible and paintable when cured.
- It is waterproof and can be applied even in damp surfaces.
- It doesn't have isocyanates and solvents harmful to the environment.

### Product Specifications/ Typical Properties/ Physical Characteristics

**Table 1. Physical Properties, Uncured State**

Parameters	Results
Color	White
Sag (mm)	Nil
Tack Free Time @ 28-33°C	50-55 minutes
Specific Gravity @ 28°C	1.59
Extrusion Rate	1100 g/min
Cure Thru Time	72 hours
Solids Content	98%
Extrudability	Easy



**Table 2. Physical Properties, Cured State**

Parameters	Results
Hardness, Shore A	38
Tensile Strength	1.40 N/mm <sup>2</sup>
Elongation	>400%
Lap Shear Strength (Based on ASTM D905 - wood to wood)	230 psi
Lap Shear Strength (SS-SS)	160 psi
Adhesion Strength (SS-SS)	245 psi
Effect on EPS	Negligible
Reaction to back mirror coating	None

### Application (Ideas)

- Suitable for both interior and exterior
- Mirror Fixing
- Home Decoration
- Nail Glue

**Limitation**

- Substrate surface temperature that exceeds 50°C
- Surfaces that has direct contact with food
- Not for structural glazing
- Not recommended for continuous water immersion applications

**Application Procedure**

Thoroughly clean and dry surface from oil, dirt and grease.

**Method**

1. Cut nozzle to the desired bead size for dispensing.
2. Apply to one surface and hold parts together with sufficient pressure for a few minutes.
3. Clean off excess adhesive.

**Application Equipment (if applicable)**

- Caulking gun

**Packaging**

SKU	Size	Quantity per box
Cartridge	260 mL	12 pcs

**Storage**

Store in a cool dry area and away from direct sunlight. Keep containers securely sealed. Store away from food and incompatible materials. The storage stability will at least 12 months from date of manufacture.

**Shelf Life**

12 months

**Health and Safety Precautions**

- Wash thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection.

**If on skin:** Wash with plenty of soap and water. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **If exposed or concerned:** Get medical advice/attention.

**Specific treatment: If skin irritation**

**occurs:** Get medical advice/attention. **If skin irritation or rash occurs:** Get medical advice/attention. **If eye irritation persists:** Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**KEEP OUT OF REACH OF CHILDREN.****Warranty and Disclaimers**

Unless an additional warranty is specifically stated on the applicable product packaging or product literature, Pioneer warrants that each Pioneer product conforms with the applicable Pioneer product specification at the time of shipment, and when properly used and maintained in accordance with Pioneer's current published Technical Data Sheet (TDS), will serve the purpose for which it is intended. The recommendation and statements in Pioneer's TDS are based on good building practice but are not, by any means, an exhaustive statement of all relevant information. Pioneer shall not be liable for the recommendations in its TDS and the performance of the relevant Product. Pioneer shall also not be liable for any claims, damages or defects arising from, or in any way attributable to poor workmanship, incorrect design or detailing, use of the Pioneer product in unsuitable conditions, and force majeure.

Pioneer MAKES NO OTHER WARRANTIES, CONDITIONS OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOMER OR USAGE OF TRADE. If the Pioneer product does not conform to this warranty, then the sole and exclusive remedy is, at Pioneer's option, the replacement of the Pioneer product or refund of the purchase price.

**Limited Liability**

Except where prohibited by law, Pioneer will not be liable for any loss or damage arising from the use or application of the Pioneer product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.