

# bond it

Never compromise on quality!



# PU5 RAPID WOOD GEL

## 5 Minute Rapid Set Polyurethane Wood Adhesive



### GLUES & ADHESIVES RANGE

#### Description:

*A one part, solvent-free, rapid setting, moisture curing polyurethane thixotropic gel specially formulated for water-resistant bonding and fast setting (BSEN204 D4 Classification).*

#### Uses

Bond It **PU RAPID WOOD GEL** can be used in joinery and carpentry, for bonding garden furniture, staircases, boats, wooden constructions, sandwich panels and insulation materials. It has excellent adhesion to wood, chipboard, laminate, metals, polyurethane, expanded and extruded polystyrene foams, mineral wool, concrete, stone, bricks, gypsum boards and all traditional porous substrates. It is also an ideal adhesive for fixing carpet grippers and stair nosings. This product is seawater proof and is resistant to acid and chemicals.

#### Preparation

Ensure all surfaces are clean, dry and free from grease, oil or any other contaminants that may hinder adhesion. The substrate must also have a maximum humidity of 30%RH.

#### Application

**WEAR GLOVES.** Carefully cut the tip of the cartridge taking care not to damage the threaded area. Screw on the nozzle supplied and cut to an angle of 45°. Apply using a standard sealant gun to one of the substrates, or to both if the materials are porous. Assemble immediately (within 5 minutes) and clamp for at least 1 hour. Pressing the materials during curing is necessary to reach the highest possible end strength.

The product will foam slightly on application to fill any small gaps. Clean away any residue immediately with a dilute cleaning solution, do not allow to set.

#### Setting Time

Bond It **PU RAPID WOOD GEL** will begin to skin after approximately 5 minutes. Fast set will be achieved after approximately 10 minutes with final bond strength after 12 hours.

#### Coverage

150-250g per m<sup>2</sup>.

#### Container Size

300ml plastic cartridge.

#### Colour

Translucent gel.

#### Shelf Life

12 months from date of manufacture, when stored in original, unopened cartridges.

#### Storage Conditions

Store in cool, dry and well ventilated conditions between +5 to +25°C.

#### Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

#### Health & Safety

Please refer to separate material safety data sheet for full handling, use and storage instructions. Keep out of reach of children. It is the users responsibility to determine suitability for use. If in doubt contact our Technical Department for advice.

*Note: this information is for general guidance only, since site conditions and labour are beyond our control. It is recommended that users make their own tests to determine suitability.*

#### HANDLING INSTRUCTIONS:

**WEAR GLOVES/ SKIN COVERING AT ALL TIMES.** However, if your skin comes into contact with PU5 follow these instructions. Please note in some cases skin turns black. If in any doubt contact a medical professional, show the packaging and/or the MSDS available for download from [www.bonditgroup.com](http://www.bonditgroup.com).

1. Wipe adhesive off with a dry cloth or paper towel. If you just touched the glue, and it hasn't yet begun to dry, you should be able to remove it this way.
2. Wash your hands with soap and cold water. If the adhesive hasn't started hardening, you have a chance of washing it off. The window for this is small so act quickly.
3. Exfoliate. Use a pumice stone or other gritty textured material (eg. soap with sand in it) to rub at the glue until it comes off. Do this slowly and patiently. Exfoliating too vigorously can damage or

burn your skin. Alternate between exfoliating and rubbing the area with your own hand to reduce friction. The glue should begin to ball up and come off.

4. Avoid acetone (nail varnish remover). Acetone will make the glue stick to your skin as it removes your natural oils. Only consider acetone if two body parts are stuck together in such a way that exfoliating is not possible. If this is the case, soak the areas in pure acetone until the glue dissolves enough to pull the skin apart. Forcing this process can tear open the skin, so be patient and work the skin apart slowly.

5. Use a cotton ball dipped in olive oil or vegetable oil to rub off the

last remaining bits. This allows you to scrub a little harder without tearing your skin open with the exfoliate. The oil will also act as a moisturiser to your skin.

6. Wash your hands thoroughly. Once you have removed all the glue, it is important to wash your hands thoroughly with soap and water to remove any remaining chemical residue.

7. Moisturise. PU5 glue will dry out your skin, coupled with vigorous exfoliation and hand washing, the natural oils in your skin will likely be stripped causing mild irritations. Use a good hand lotion to soothe the area.

## Specification Summary

|                                 |  |
|---------------------------------|--|
| Appearance                      | Translucent thixotropic paste  |
| Skinning Time                   | 5-10 minutes @ +20°C and 50%RH   |
| Final Setting @ 20°C            | 24 hours @ 50% RH  |
| Press Time @ 20°C               | 60 minutes @ 50% RH  |
| Solid Content                   | 100%   |
| Density                         | 1.15 ± 0.03 g/cm <sup>3</sup>  |
| Viscosity @ 20°C                | 400,000 +/- 100,000 mPas Brookfield<br>RVT Sp7 @ 5rpm                          |
| Application Temperature Limits  | +5 to +35°C  |
| Shear Strength (beech to beech) | After 15 mins >.50Kgf/cm <sup>3</sup><br>After 24 hours >80Kgf/cm <sup>2</sup> |
| Temperature Resistance          | -30 to +100°C  |
| Tear Resistance                 | up to 130Kg/cm <sup>2</sup>  |
| UFI                             | 8390-YOUK-A00E-521T  |

## Product Details:

|                 |               |
|-----------------|---------------|
| <b>Colour:</b>  | Translucent   |
| <b>Code:</b>    | BDAPU5        |
| <b>Size:</b>    | 300ml         |
| <b>Barcode:</b> | 5060021363398 |



Part of the Bond It Glues & Adhesives Range

*The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.*



Certificate Number:  
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