



Customer Service Australia 1800 423 855  
or Fax 03 9797 6296

# TECHNICAL DATA SHEET

## 1. PRODUCT IDENTIFICATION AND COMPANY DETAILS

**Product Name:** FULLER MAX BOND™ Construction Adhesive  
**Other Names:** Construction Adhesive

**Manufacturer's Code:** Not applicable / None  
**UN Number:** 1133  
**Packaging Group:** III

**Supplier:** HB FULLER Company Australia Pty Ltd  
**ABN:** 37 003 638 435  
**Street Address:** 16-22 Red Gum Drive  
Dandenong South Vic 3175

**Telephone:** (03) 9797 6222  
**Facsimile:** (03) 9797 6299

## 2. DESCRIPTION, BENEFITS & APPLICATION INSTRUCTIONS

**Description:** FULLER MAX BOND™ construction adhesive is ideal for bonding timber and most common construction materials including particle board, MDF board, brick, concrete, gypsum board, galvanized metal and aluminum. FULLER MAX BOND™ is a synthetic rubber based adhesive designed primarily for installation of flooring and wall panels. However, FULLER MAX BOND™ has found use in many general household applications.

✓ **Recommended Use:** installing particle board, fibre cement, plasterboard, plywood and strip flooring to joists • bonding fibre cement sheet, plaster board and wall paneling to wooden and metal studs • skirting boards, architraves and trims to walls • mirrors to walls (not overhead) • replacing loose tiles on walls (not recommended for floor tiles) • suitable for fixing polystyrene wall panels (if directions are strictly followed)

**Substrates:** Galvanised iron • wood • ceramic • steel • aluminium • some plastics (pre-test) • particle board • MDF • brick • concrete • cement sheet • gypsum board • cement render • fibreglass • plywood

**Compliance:**

FULLER MAX BOND™ construction adhesive has been formulated to comply with the requirements of AS2329 – 1999 “Mastic Adhesives for Fixing Wallboards”.



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## 2. DESCRIPTION, BENEFITS & APPLICATION INSTRUCTIONS continued

### Benefits:

- Bridges gaps up to 9 mm - effective when used on uneven surfaces.
- One part - no mixing.
- Paintable with most surface coatings.
- Reduces squeaking associated with nail ride in floors.
- Complies with AS 2329 – 1980 requirements.
- Repositionable for up to 20 minutes after application.
- Reduces number of mechanical fasteners required to install floors or walls.
- Water resistant - will not break down in intermittent contact with water (e.g. rain).
- Natural wood colour - blends in.
- High bond strength.

### Surface Preparation:

Only apply to surfaces that are clean, dry, sound and free of dust oil or contamination. Clean metal with mineral turps\* or white spirits\*. Adhesion to metals can be further improved by light sanding. (NB: if timber is damp, unseasoned or treated, use FULLER POWER BOND™ or FULLER STURDI BOND™ Heavy Duty Construction Adhesive.)

### Application:

Cut tip off cartridge, screw on nozzle and load into cartridge gun. Cut nozzle tip to a 5mm diameter hole (or desired size). Squeeze trigger and apply.

### Flooring and Wall Panels –

Apply a wavy 5mm diameter. Bead to each joist, batten or stud. Where sheets will butt together, apply 5mm beads along both edges of that joist, batten or stud so each sheet edge will be on a glue line.

#### Floors -

Fit sheet to joist within 15 minutes. Stagger end-joints leaving 1.5mm gaps between them to allow for expansion. Nail or screw sheets to joists at 150mm centers around the perimeter and 300mm centers through the middle, or per manufacturers instructions. Use putty knife to remove any adhesive squeezed out between the sheets.

#### Walls –

Fit panel to stud within 15 minutes and press firmly into position. To speed up the bonding, tilt panel back for a few minutes to allow FULLER MAX BOND™ solvent to escape. Refit panel making sure glue line matches up. Press firmly together. Nail or screw panels as for floors per manufacturers instructions. If not nailing or screwing, brace panel for at least 24 hours, until set.

When bonding a sheet or panel to a large, flat surface, apply full length 5mm diameter. Beads every 30-40cm. Press into position and brace until set.

## 2. DESCRIPTION, BENEFITS & APPLICATION INSTRUCTIONS continued

### **Concrete Slab floors -**

#### **Slab on ground or below ground-**

Must have an effective water vapour barrier.

Concrete must have been poured at least 60 days prior to application and have moisture content below 3%.

Concrete must be free of any surface water, curing compound residues, loose or weak surface concrete.

Patch all holes with a strong bonding compound.

#### **Above ground concrete floors-**

Must be at least 45 days old, free of surface dampness and curing compound residues, loose or weak concrete.

Patch all holes with a strong bonding compound.

**BONDING-** All overlay flooring must be fully bonded, that is a full trowel out of Adhesive over entire area.

Spot gluing or bead application is not recommended.

**APPLICATION-** Apply FULLER MAX BOND™ and trowel out with a 2.5mm, 3mm, or 4mm V notched trowel depending on surface roughness of floor.

Only apply as much FULLER MAX BOND™ as can be covered in 10 minutes by flooring.

Secret nail individual planks and place sand bags or similar weights on whole area.

**Coverage-**

2.5mm trowel ~ 1.4m<sup>2</sup>/litre approx.

3.0mm ~ 1.2m<sup>2</sup>/litre approx.

4.0mm ~ 0.6m<sup>2</sup>/litre approx.

### **Mirrors -**

Use FULLER MAX BOND™ for mirrors on walls only, not for mirrors on ceilings.

Apply wavy 5mm diameter beads, parallel about 20cm apart. Do not apply across the top or bottom of the mirror as solvent needs a way out, do not apply as a blob. Mechanical fastening is recommended. Use 'wall panel tilt method' to speed up setting. Brace until set.

### **Polystyrene Foam Panels-**

When installing Polystyrene foam wall panels using FULLER MAX BOND™, the adhesive must be applied as parallel beads each no more than 5 mm in diameter.

Do not apply FULLER MAX BOND™ onto Polystyrene foam as a blob.

The surface to which the panels are to be fixed must not exceed 32°C. Failure to comply with these instructions will result in damage to the Polystyrene foam panel. For this reason, exterior installation of Polystyrene foam components using FULLER MAX BOND™ is not recommended. In these cases consider FULLER MAX BOND FAST GRIP™.

### **Cure Time:**

FULLER MAX BOND™ forms a thin skin in 1 - 5 minutes depending on air temperature. The skin can be broken simply by pressing the floor or wall board firmly onto the adhesive with a slight twisting movement.

90% cure in three to five days.

100 % cure in seven days.

Cure rate will depend on temperature, porosity of substrates and ventilation.

## 2. DESCRIPTION, BENEFITS & APPLICATION INSTRUCTIONS continued

### Service Temperature:

FULLER MAX BOND™ construction adhesive will maintain a bond in situations where the temperature is continually between 0°C and 40°C. FULLER MAX BOND™ will withstand temperatures up to 80°C where there is a light load and if the exposure to this temperature is not prolonged.

### Painting:

FULLER MAX BOND™ construction adhesive may be painted after it has cured.

### Coverage:

320g will give 15 lineal metres of a 5mm bead, or 2 sheets of 1.2 x 2.4 metre panel.

### Limitations:

- Do not use Maxbond where temperatures will exceed 80°C.
- Maxbond is not suitable for immersion.
- Maxbond can be used in exterior applications, but must not be exposed to prolonged direct Sunlight.
- Do not apply at temperatures below 5°C.
- For best results on damp or poorly seasoned timber use FULLER STURDI BOND™ Heavy Duty Construction Adhesive or FULLER POWER BOND™.

### Clean Up:

Wet: mineral turpentine\*.

Dry: scraper or sandpaper.

### Disposal:

Refuse collection or comply with local regulations.

### Pack Sizes:

- 320g cartridge (resource number – 6004 134 011)
- 900g cartridge (resource number – 6004 134 049)
- 75g tube (resource number – 6004 134 117)
- 1L can (resource number – 6004 134 018)
- 4L can (resource number – 6004 134 020)

## 3. HAZARD INFORMATION

FULLER MAX BOND™ construction adhesive is highly flammable. Keep away from sources of ignition. Do not inhale vapour. Ensure good ventilation in area of use. FULLER MAX BOND™ construction adhesive is a Dangerous Goods Class 3.

For Poisons Information Centre phone Australia 13 11 26, New Zealand 0800 764 766.

*\*All solvents mentioned are harmful and flammable; observe solvent manufacturer's precautions and refer to specific Material Safety Data Sheets.*

## 4. OTHER INFORMATION

### Technical Data:

Property	Data
Storage life	12 months unopened
Storage	Store in a well ventilated area, away from sources of heat and ignition.
Skinning time	1-5 mins.
Repositioning time	< 20 mins.
Full cure	After seven days depending on conditions.
Sag Resistance (AS 2329 - 1980, Appendix A)	< 6 mm
Transfer (AS 2329 - 1980, Appendix B)	> 75 % after 15 minutes open time.
Aging (AS 2329 - 1980, Appendix C)	No chipping or cracking after 500 hours at 70°C.
Initial Bond Strength in Shear (AS 2329 – 1999, Appendix D).	> 200 kPa
Adhesion Strength in Tensile Shear (AS 2329 – 1999, Appendix E)	> 1 MPa
Bond Strength in Peel (AS 2329 – 1999, Appendix F)	> 40 N / 25 mm

Safety Data Sheets are regularly updated. Please ensure that you have the most recent edition.  
Please contact FULLER on 1800 423 855 for further Technical Data Sheets or for a Material Safety Data Sheet.

This Technical Data Sheet summarises at the date of issue to the best of the knowledge of FULLER, the Technical information of the product and in particular, how to safely handle and use the product in the workplace. Since HB FULLER Company Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this Technical Data Sheet in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.