

# MAXBOND CONSTRUCTION ADHESIVE

## Description

Fuller Maxbond™ 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. Maxbond™ is a synthetic rubber based adhesive designed primarily for installation of flooring and wall panels. Maxbond™ can be used in many general household applications.

## Pack Sizes:

- 320g cartridge product code 6004 134 011
- 375 ml cartridge product code 6029324011
- 900g cartridge product code 6004 134 049
- 75g tube product code 6004 134 117
- 600ml sausage product code 6004134133

## 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 – 1999 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.

## Uses

- 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 High bond strength and heat resistance
- 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).

## Compatible Substrates

Concrete	Fiberglass
Cement sheeting	Plywood
Metal	Particleboard
Plasterboard	Ceramic
Timber	Expanded polystyrene

## Coverage

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

375 ml cartridge will give 19 lineal metres of a 5mm bead.

When trowelled out

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.

## 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.

## Performance Summary

Storage life	12 months unopened
Skimming time	1-5 mins.
Repositioning time	< 20 mins.
Full cure	After seven days depending on conditions.
Sag Resistance (AS 2329 - 1999, Appendix A)	< 6 mm
Transfer (AS 2329 - 1999, Appendix B)	> 75 % after 15 minutes open time.
Aging (AS 2329 - 1999, Appendix C)	No chipping or cracking after 500 hours at 70°C.

This technical data sheet summarises at the date of issue to the best of the knowledge of HB Fuller, the technical information of the product and in particular, how to safely handle and use the product in the workplace. Since HB Fuller 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.

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### 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 Sturdibond™ 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-joins 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 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.

### 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 Maxbond™ and trowel out with a 2.5mm, 3mm, or 4mm V notched trowel depending on surface roughness of floor.

Only apply as much Maxbond™ as can be covered in 10 minutes by flooring.

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

### Mirrors

Use Maxbond™ 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 Maxbond™, 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.**

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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 Maxbond™ is not recommended. In these cases consider Fuller Maxbond Fast Grip™.

### Cure Time

Maxbond™ 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.

### Service Temperature

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

### Painting

Maxbond™ construction adhesive may be painted after it has cured.

### Clean Up

Wet: mineral turpentine\*.

Dry: scraper or sandpaper.

### Safety Information

Maxbond™ construction adhesive is classified as hazardous according to criteria of Worksafe Australia. Maxbond™ construction adhesive is highly flammable. Keep away from sources of ignition. Do not inhale vapour. Ensure good ventilation in area of use. Maxbond™ construction adhesive is a Dangerous Goods Class 3.

A Material Safety Data Sheet is available from the H.B. Fuller representative your state, HB Fuller Australia customer service, or downloadable from the HB Fuller web site, [www.hbfuller.com.au](http://www.hbfuller.com.au)

For Poisons Information Centre phone 13 11 26.

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