

TECHNICAL DATA SHEET

FULLER TRADE CONSTRUCTION ADHESIVE

Description

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

Benefits

- 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
- Replacing loose tiles on walls (not recommended for floor tiles)

Compatible Substrates

| | |
|-----------------|---------------|
| Concrete | Fiberglass |
| Cement sheeting | Plywood |
| Metal | Particleboard |
| Plasterboard | Ceramic |
| Timber | |

Coverage

320g cartridge will give 15 lineal meters of a 5mm bead, or 2 sheets of 1.2 x 2.4 meter panel. 375 ml cartridge will give 19 lineal meters of a 5mm bead.

When trowelled out:

| | |
|--------------|------------------------------------|
| 2.5mm trowel | ~ 1.4m ² /litre approx. |
| 3.0mm | ~ 1.2m ² /litre approx. |
| 4.0mm | ~ 0.6m ² /litre approx. |

Limitations

- Do not use Fuller Trade where temperatures will exceed 80°C.
- Fuller Trade is not suitable for immersion.
- Fuller Trade 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 Sturdibond Heavy Duty Construction Adhesive.

Our Focus is Clear. Perfecting Adhesives.

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Performance Summary

| | |
|--------------------|---|
| Storage life | 12 months unopened |
| Skinning time | 1-5 mins. |
| Repositioning time | < 20 mins. |
| Full cure | After seven days depending on conditions. |

AS 2329.1999 Performance Summary

| Appendix | Result |
|------------------------------------|-------------------------------------|
| Sag Resistance (Appendix A) | <6mm |
| Transfer (Appendix B) | >75% transfer |
| Aging (Appendix C) | No cracking to substrate |
| Initial Bond Strength (Appendix D) | >200kPa |
| Tensile Bond Strength (Appendix E) | >1.0MPa (initial) >0.8MPa (aged) |
| Peel Bond Strength (Appendix F) | >40N (initial) >32N (aged) |
| Static Load (Appendix G) | PASS – No movement |

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.

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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 Trade Construction Adhesive and trowel out with a 2.5mm, 3mm, or 4mm V notched trowel depending on surface roughness of floor.
Only apply as much Fuller Trade Construction Adhesive as can be covered in 10 minutes by flooring.
Secret nail individual planks and place sand bags or similar weights on whole area.

Cure Time

Fuller Trade Construction Adhesive 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

Fuller Trade Construction Adhesive will maintain a bond in situations where the temperature is continually between 0°C and 40°C. Fuller Trade Construction Adhesive 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 Trade Construction Adhesive may be painted after it has cured.

Clean Up

Wet: mineral turpentine.
Dry: scraper or sandpaper.

Safety Information

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

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