



STURDIBOND HEAVY DUTY CONSTRUCTION ADHESIVE

Description

Sturdibond™ Heavy Duty Construction Adhesive is a synthetic rubber-based adhesive designed primarily for installation of flooring and wall panels. Sturdibond is designed to bond damp, poorly seasoned timber and treated timbers.

Sturdibond is easy to apply, even in cold conditions where conventional construction adhesives harden and cannot be applied easily.

Benefits

- Bonds damp, poorly seasoned or treated timber.
- Guns out easy and sticks in cold weather.
- Sag resistant – Can be used on vertical surfaces.
- Reduces squeaking associated with nail ride in floors.
- Repositionable for up to 20 minutes.
- Reduces the number of mechanical fasteners required to install floors or walls.
- Water resistant – Will not break down in contact with water (EG: Rain).
- Natural wood colour.

Uses

- Bonding particleboard, plywood, fibre cement and strip flooring to joists.

- Bonding fibre cement sheet, plasterboard and wall paneling to wooden and metal studs.
- Bonds skirting boards, architraves and trims to walls.
- Replacing loose tiles on walls (not recommended for floor tiles).

Compatible Substrates

Concrete	Cement Sheeting
Metal	Plasterboard
Timber	Fibreglass
Plywood	Particleboard
Ceramic	

Performance Summary

Property	Data
Shear Strength	1900kPa
Specific Gravity	1.14 – 1.20
Skinning time	5-10 minutes
Repositioning Time	Up to 20 minutes
Full Cure	7 days depending on conditions
Service Temperature	Up to 80°C

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)	>1MPa initial, >0.8MPa aged
Peel Bond Strength (Appendix F)	>40N initial, >32N aged

Our Focus is Clear. Perfecting Adhesives.

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Static Load (Appendix G)	PASS – No movement
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Coverage

330g cartridge will give 15 lineal meters of a 5mm bead, or 2 sheets of 1.2 x 2.4 meter panel.

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

Limitations

- Do not use Sturdibond where temperatures will exceed 80°C.
- Sturdibond is not suitable for immersion.
- Sturdibond can be used for external applications, but must not be exposed to prolonged direct sunlight.
- Do not use Sturdibond on polystyrene.
- Do not use Sturdibond on mirrors.

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.

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.

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 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.

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.

Cure Time

Time to cure Sturdibond will depend on temperature, porosity of the substrates and ventilation. Full cure may take up to 7 days.

Service Temperature

Sturdibond will maintain a bond in situations where the temperature is continually between 0°C and 40°C. Sturdibond will withstand temperatures up to 80°C where there is a light

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load and if the exposure to this temperature is not prolonged.

Painting

Sturdibond may be painted once it is fully cured.

Safety Information

Sturdibond is classified as hazardous according to criteria of Worksafe Australia. Sturdibond is highly flammable. Keep away from sources of ignition. Do not inhale vapour. Ensure good ventilation in area of use. Sturdibond 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

Disclaimer

This technical data sheet summarises at the date of issue to the best technical knowledge of HB Fuller Australia. Since HB Fuller Australia 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.

Shelf Life

Use product prior to the best before date printed on the bottom of the cartridge.

Version 5
TDS Date: 05/02/2015

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