



IF IT'S SELLEYS IT WORKS™

## Technical Data Sheet

# Liquid Nails Fast

Issue no. 4

Updated  
15/05/2012

### DESCRIPTION

Liquid Nails Fast is a water-based high strength\* construction adhesive with fast grab and low odour. It has a thick, non-runny consistency and is ideal for adhering timbers and other porous construction materials. After drying it is beige (light tan) in colour.

Liquid Nails Fast would typically be used for the following applications:

- Areas where nailing is not desirable
- Skirting boards, architraves, cornices
- Wall panelling to masonry
- Styrene foam to metal roofing

### VOC REGULATORY INFORMATION

<b>Product Category</b>	Adhesives-Architectural Applications
<b>Product Type</b>	Multipurpose Construction Adhesives
<b>VOC Content</b>	<25g/L
<b>Prescribed VOC Limit</b>	70g/L
<b>Complies with Prescribed VOC Limit (Yes/No/Exempt)</b>	Yes

VOC content determined using USEPA Reference Method 24 as stated in The South Coast Air Quality Management District Rule 1168.

### SIZES AVAILABLE

Liquid Nails Fast is available in a 420g cartridge.

### USES

Liquid Nails Fast has high initial (immediate) grab, which reduces the need to support joints while the adhesive cures. The initial grab works best with porous surfaces.

It will bond to many building materials including MDF, particle board, timber, plaster board, styrene foam, masonry, concrete, tiles, ceramics, metals, plastics\*\*, rubber and glass. Faster results are achieved when at least one surface is porous.

### TECHNICAL FEATURES

- Fast grab - high initial holding minimises slippage when adhering on vertical surfaces.
- Meets or exceeds AS 2329-1999 (Mastic adhesives for fixing wall boards).
- Does not drip, sag or string between panels.
- Bridges gaps, adhering materials with uneven surfaces.
- Low mess - excess and squeeze out is easily cleaned up with wet cloth.
- No solvent fumes - ideal for large indoor jobs.
- High flexibility - will withstand thermal movement and vibration.
- High heat resistance - will not lose bonds exposed to sun.
- Paintable when dry.
- Easy to extrude at all temperatures.

### DIRECTIONS

- Ensure that surfaces to be bonded are free from all oil, grease, and dust. Surfaces should not be visibly wet or constantly damp
- Cut tip off cartridge, fit nozzle and cut at 45° to desired opening (approx. 5mm diameter). Insert in cartridge gun to extrude contents.



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### APPLICATIONS

Early bond strength is achieved faster when at least one surface is porous.

#### [WET BOND METHOD]

- Direct a bead along the length of the joist, stud or batten. On broad flat surfaces apply beads every 40cm. ("Zig-zag" beads are appropriate on surfaces of moderate width; eg shiplap panelling or dado rails).
- Bring surfaces together as soon as possible (within the first 10 minutes).
- Fix with sufficient nails, screws or clamping to hold load and achieve contact over the total bond area.

#### For stronger grab [CONTACT METHOD]

- Apply to one surface only, press surfaces together and pull apart.
- Allow surfaces to dry 15 mins-1hr, before firmly joining.
- Drying time before a contact bond will form depends on temperature, thickness of adhesive and porosity of the surfaces. Thin films of adhesive on porous surfaces in hot weather will bond in approx 15 minutes. Thick films in cold weather could take up to an hour. Once adhesive is dry, good contact bonds can be made up to two hours later.

### BOND STRENGTH TIME

For porous substrates good bond strength is achieved after 24 hours and will continue to strengthen over a 2-3 day period. Time for strong bond depends on nature and conditions of application. In cold or damp weather and between non- porous materials, drying time is greatly extended.

### CLEANING

Liquid Nails Fast may be cleaned off with hot soapy water or a damp cloth while still wet. Dry adhesive is best removed by scraping or peeling.

### TECHNICAL DETAILS

(Indicative information only, not to be used for setting specifications)

Property	Typical Result	Standard
<b>Appearance</b>	Lump, air-free smooth beige paste.	
<b>Specific Gravity</b>	Approx. 1.44g/ml @ 25°C	
<b>Viscosity</b>	Typical 7000-9000 Poise	
<b>Slump</b>	Typical 0mm	
<b>Shear Adhesion Strength (7d cure)</b>	>1500kPa (Hoop pine substrate)	AS2329-1999E
<b>Peel Adhesion Strength (7d cure)</b>	Typical 40N/25mm	Wire gauze off hoop pine, variant to AS2329-1999F
<b>Initial Bond Strength (Tested after 24 hrs)</b>	>200kPa	AS2329-1999D
<b>Heat Resistance</b>	Bonds will resist temporary exposure to temperatures up to 140 °C	
<b>Creep resistance (under constant load) <sup>2</sup></b>	- Fully cured bonds <sup>1</sup> of 625 sq. mm will hold up to 500g loads (7.8 kPa) in shear at constant 80°C - Fully cured bonds <sup>1</sup> of 625 sq. mm will hold up to 100kPa in shear at 25 °C (equivalent to 6kg load on 625 sq.mm bond area).	

<sup>1</sup>1mm thick bonds on porous substrates cured at least 7 days at temperatures above 25°C

<sup>2</sup>This data is provided as indicative only



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### LIMITATIONS

- \*Liquid Nails Fast should always be used in conjunction with permanent mechanical fasteners except in low stress applications such as wall panelling and fixing light weight objects. (Bonds may creep under constant heavy loads).
- Bonds are not water resistant. Protect bonds from water penetration if used in exterior applications.
- In cold or damp weather and between nonporous materials drying time is greatly extended.
- Thick applications take longer to dry than thin applications.
- \*\*Pre-test plastics to determine suitable bonding. Adheres well to UPVC. Not suitable for polyethylene and polypropylene.
- For wood flooring applications Liquid Nails (solvent based) is recommended. [Liquid Nails Fast is satisfactory for fixing sheet flooring (particleboard / ply) to joists in conjunction with the manufacturer's minimum nailing specification but is not recommended for fixing sheet wood flooring to flat surfaces such as existing or concrete floors.]

### WARNINGS/FIRST AID

Remove from skin with soap and water. If in eyes, hold eye open, flush with plenty of water for 15 minutes. Seek medical attention.

### SHIPPING/STORAGE/DANGEROUS GOODS INFORMATION

Storage: Protect from freezing.  
Transport: Not restricted.