

Liquid Nails® Heavy Duty

Description

Liquid Nails® Heavy Duty is an advanced high performance construction adhesive which means mechanical fasteners can be removed after 8 hours*. The non slump formulation also offers extreme strength and durability, even when bonding two non-porous materials. It can be used on most building substrates.

Product Information

Packaging	Size	Colour
Cartridge	350 grams	Beige

Uses

Liquid Nails® Heavy Duty is suitable for use on materials such as timber, MDF, plasterboard, plastics**, masonry, concrete, particleboard, metals, rubber, glass, tiles and ceramics

Technical Features

- Twice as strong in half as long#
- Extreme Strength
- Flexible
- Water & weather resistant
- No drip, sag or stringing

Technical Details

Property	Typical Result
Appearance	Thixotropic paste
Colour	Beige
Technology	Solvent evaporation
Skin Time	10-15 Minutes (Weather dependent)
Cure time**	8 hours
Shelf Life	24 Months (AS2329-(1999) 6.2)
Thermal Stability	Exceeds 7 Days (AS2329-(1999) 6.3)
Flow and Transfer	Exceeds 75% transfer after 15 minutes drying (AS2329-(1999) 6.5)
Initial bond strength tensile shear (Wet and dry)	Exceeds 200KPa at 24 hours (AS2329-(1999) 6.7.1.1)
Bond strength in tensile shear (Wet and dry)	Exceeds 2MPa (AS2329-(1999) 6.7.1.2+4)
Static load in shear	Exceeds 10 days sustaining a 40N load at 40 °C (AS2329-(1999) 6.8)
Static load in shear after accelerated ageing	Test assemblies meet or exceed requirements after 500 hours @ 70 °C (AS2329-(1999) 6.6 & 6.7)

Indicative data only, not intended for preparation of specifications

How To Use

Do not swallow. Use in a well ventilated area. Avoid contact with skin and eyes. Pierce Foil before inserting into caulking gun.

Application

1. Ensure surfaces are dry and free from oil, grease and dust. Wipe off any pooled water from wet timber.
2. Cut cartridge tip and **pierce foil**, Attach nozzle and cut to size (5mm).
3. Apply bead along length of joist, stud or batten. On broad flat surfaces apply beads every 40cm.
4. Position pieces and press firmly together. fix with sufficient nails, screws or clamping to hold load and achieve contact over total bond area. Repositionable for up to 20 minutes after fitting.
5. Allow adhesive to set (minimum 8 hours**) before removing any temporary fasteners or clamping. Use with mechanical fasteners in high stress applications.

Contact Bond Method

For immediate bond use contact bond method, apply to one surface only, press together and pull apart. Allow surfaces to dry 2-4 minutes, before firmly joining.

Flooring

Use in conjunction with manufacturers installation requirements. To eliminate squeaks in tongue and groove flooring, apply a bead of Liquid Nails® Heavy Duty into groove of each board when installing.

Clean Up

Uncured product may be removed with mineral turpentine. Cured product can be removed by scraping or sanding.

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Handy Hints

- **Usually mechanical fasteners are required for only 8 hours on porous surfaces and a strong bond is achieved in 24 hours and continues to strengthen over 2-3 days. Cures in 7 days. Expect longer times for thicker applications, less porous surfaces and in cold weather.
- *Compared to **Liquid Nails® Original**
- * pre test plastics to determine compatibility
- Adheres to wet/poor seasoned timber.
- Bridges Gaps up to 9mm
- Paintable after 24 hours

Limitations

- Avoid use in tightly clamped joints eg. Cabinet making or joinery
- Not for use on mirrors. Use **Liquid Nails® Mirror Metal & Glass**
- Not for metals heated by direct sunlight. Bonds weaken at higher temperatures. Use **Liquid Nails® Mirror Metal & Glass**
- Not for Styrene Foam. Use **Liquid Nails® Fast Grab**
- Do not use as the sole bonding agent for structural bonding.
- Not for permanent water immersion.

Warnings, First Aid and Shipping Information

This information can be located on the SDS found on the Selleys website – www.selleys.com.au or www.selleys.co.nz