

Technical Data Sheet

Liquid Nails Upgraded Formula (HK)

DESCRIPTION

Liquid Nails is a premium grade, solvent based, synthetic rubber multipurpose construction adhesive that delivers a consistently **STRONG** and **LASTING BOND** on most building substrates. It complies with Hong Kong VOC regulations for multipurpose construction adhesives (<70 g/L) and has a thick non-runny consistency. It is brown in colour as applied and dry.

SIZES AVAILABLE

Liquid Nails is available in a 360g cartridge.

USES

Liquid Nails is a high strength multi-purpose construction adhesive suitable for bonding timber, plasterboard, MDF, particleboard, masonry, concrete, tiles & ceramics, metals, plastics*, rubber and glass.

It can be used as the sole means of bonding (as a contact adhesive) or as a component in a dual bonding situation, i.e. in conjunction with mechanical fasteners, or where nails or screws are used to support the weight until full cure is completed.

Liquid Nails would typically be used for the following applications:

- Sheet flooring to joists
- Metal or aluminium door strips to floors or walls
- Timber or fibre cement sheeting to cement block or brick walls
- Masonite / hardboard to timber or floor boards
- Wallboard or panelling to wood or metal frames
- Cork tiles to timber, fibre cement or plaster
- In the groove of tongue and groove flooring as it is installed to avoid later squeaking.

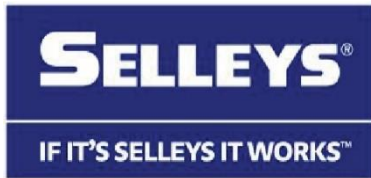
TECHNICAL FEATURES

- Liquid Nails formulation delivers **RESPONSE FLEXIBILITY** so your bond stays stronger and longer.[Liquid Nails is flexible enough to respond to normal shrinkage and thermal movement between building components without losing bond strength.]
- Excellent resistance to water and weather makes it suitable for interior and exterior applications.
- Easy to extrude from the cartridge at low winter temperatures.
- Fast grab and rapid cure.
- Resistant (after full cure) to heat to 90°C and cold to -10°C . See "Limitations" below.
- Does not drip, sag or string between panels.
- Bridges gap up to 9mm hence can be used on rough and ill-fitting construction materials.
- Dried adhesive is paintable.

HOW TO USE

Surfaces to be bonded should be free of oil, grease and dust. Cut cartridge tip, fit nozzle and cut end to desired opening (approx 5 mm diameter)

- [WET BOND METHOD] Apply a 'zig zag' bead of adhesive along the joist, stud or batten (on broad flat surfaces, apply full length beads at least every 40 cm)
- Assemble joint within 10 minutes using sufficient nails, screws or clamping to hold load and achieve contact over the total bond area.
- Allow adhesives to set (at least 24 hours) before removing any temporary fasteners or clamping. (refer to Bond Strength Time)
- For faster grab,[CONTACT BOND METHOD], can be used with dry, porous and lightweight materials.



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- For faster grab,[CONTACT BOND METHOD], can be used with dry, porous and lightweight materials. Apply to one surface only, press together and pull apart. Allow surfaces to dry a few minutes before firmly joining. Surfaces should not be kept apart for longer than 20 minutes as to do so will impair bond strength

BOND STRENGTH TIME

Time for strong bond depends on nature and condition of application. In most situations** strong bond can be achieved after 24 hours and will continue to strengthen over a 2-3 day period. Full cure may take up to 7 days.

** Curing is achieved by evaporation of solvent. Time to achieve full strength is increased: at constant low temperatures; when thick applications (joints) are used; wide areas are bonded; when bonded surfaces are impervious (eg metals and dense timbers).

FLOORING

When fixing sheet flooring (eg particleboard), use in conjunction with flooring manufacturer's installation specifications for minimum nailing requirements.
Note: To eliminate squeaks in tongue and groove flooring, apply a bead of Liquid Nails into groove of each board when installing.

COVERAGE

Approximately 6 square meters (2 standard sheets) of wall panelling or up to 15 metres of 5 mm bead.

CLEAN UP

Clean off wet adhesive with mineral turps
Dry adhesive can be removed by scraping or sanding

LIMITATIONS

- Take care to prevent spills of adhesive onto lacquered timber surfaces, as solvents in the product may damage the appearance/finish.
- Should not be applied at temperatures below -5°C.
- Not recommended for tightly clamped joints; eg cabinet making or joinery.
- Selleys Liquid Nails Fast Choice is preferred for styrene foam.
- Not suitable for use on mirrors.
- Bonds weaken at high temperatures (eg above 50°C). Avoid bonding metals or heavy materials which will be heated by direct sun, eg to metal roofing and siding. (Consult Selleys about particular applications subject to heating.)
- Not suitable for bonding materials in areas which will be constantly damp or wet.

*Pre-test plastics to determine compatibility

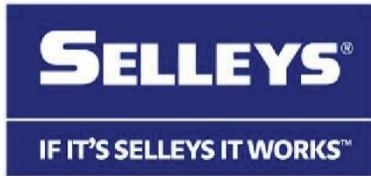
TECHNICAL DETAILS

Property	Typical Result	Standard
Composition	Blend of synthetic resins and fillers dispersed in solvent.	
Appearance	Brown coloured thixotropic paste.	
Density	1.29g/mL	
Shelf Life	30 months	
VOC content	68 g/L (less exempt solvents)	
Thermal Stability	Exceeds 7 days . (Complies with all tests after storage in unopened container @ 40°C)	AS2329 - (1999) 6.3
Sag Resistance	Not more than 6mm	AS2329 - (1999) 6.4
Flow and Transfer	Exceeds 75% transfer after 15 minutes drying.	AS2329 - (1999) 6.5
Open Time	15- 20 min. (depending upon prevailing conditions).	



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All information contained in this Product Information Sheet is as accurate and up-to-date as possible. Products can be expected to perform as indicated in this Sheet, so long as application procedures are followed as recommended. However, there are no expressed or implied warranties set out in this information other than those implied by Commonwealth, State or Territory Legislation.



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WARNINGS/FIRST AID

Highly flammable. Vapours can be ignited by flame or spark. This product is classified as hazardous according to the criteria of ASCC. Irritating to eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Refer to the Material Safety Data Sheet for more information.

SAFETY DIRECTIONS

Liquid Nails Fast should always be used in Keep away from sources of ignition. Avoid contact with skin and eyes. Use only in well ventilated areas. Keep in a cool dry place. Allow waste or leftover product to dry out before disposing. Avoid contamination of waterways.

SHIPPING/STORAGE/DANGEROUS GOODS INFORMATION

Road & Rail Transport
Class: 3
Proper Shipping Name: ADHESIVES
UN No: 1133
Packing Group: II

Marine Transport
Class: 3
Proper Shipping Name: ADHESIVES
UN No: 1133
Packing Group: II

VOC REGULATORY INFORMATION

Product Category

Adhesives- Architectural Applications

Product Type

Multipurpose Construction Adhesives

VOC Content

<70g/L†

Prescribed VOC Limit

70g/L

Complies with Prescribed VOC Limit (Yes/No/Exempt)

Yes

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



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