

ChemPu Liquid Nails is a high strength multipurpose construction adhesive that forms a strong and lasting bond on most building substrates.

Product Information

Package	Size	Color
Cartridge	400g/420g	Beige
Tube	20ml/50ml	Beige

Uses

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

Technical Features

- High strength
- Stronger for longer
- Wet and dry timber
- Flexible
- Water & weather resistant
- Easily extrudable at low temperatures
- No drip, sag or stringing

Approvals & Standards

ChemPu Liquid Nails meets GB18584 Standard

Technical Details

Property	Typical Result
Appearance	Smooth paste
Color	Beige
Technology	Solvent evaporation
Open Time	20-30 Minutes (Weather dependent)
Cure Time	24 hours
Shelf Time	12- 18 Months
Sag Resistance	Not more than 6mm
Flow and Transfer	Exceeds 75% transfer after 15 minutes drying
Initial bond strength tensile shear (Wet and dry)	Exceeds 200KPa at 24 hours
Bond strength in tensile shear (Wet and dry)	Exceeds 1.3MPa
Bond strength in peel	Exceeds 45N
Static load in shear	Exceeds 10 days sustaining a 40N load at 40°C
Static load in shear after accelerated ageing	Test assemblies meet or exceed requirements after 500 hours @ 70°C

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.

Application

1. Ensure surfaces are free from oil, grease and dust. Wipe off any pooled water from wet timber.
2. Cut cartridge tip, fit nozzle and cut to desired opening (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 824hours**) before removing any temporary fasteners or clamping. Use with mechanical fasteners in high stress applications.

How To Use

Contact Bond Method

For immediate bond use contact bond method, apply to one surface only, press together and pull apart. Allow surfaces to dry

2-5 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.

Handy Hin

- **Usually 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 ChemPu Liquid Nails
- * pre test plastics to determine compatibility
- Adheres to wet/poor seasoned timber.
- Bridges Gaps up to 9mm

Limitations

- Avoid use in tightly clamped joints eg. Cabinet making or joinery
- Not for use on mirrors.
- Not for metals heated by direct sunlight. Bonds weaken at higher temperatures.
- Not for Styrene Foam.
- 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 ChemPu website –
www.shchempu.com