

Technical Data Sheet

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Characteristics

BLD-333 Liquid Nail Free Adhesive is an advanced high performance construction adhesive. 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.

Technical Details

Property	Typical Result
Appearance	Thixotropic paste
Color	White, Beige, Clear and others
Technology	Solvent evaporation
Skin Time	10-15 Minutes (Weather dependent)
Shelf Life	24 Months
Thermal Stability	> 7 Days
Flow and Transfer	>75% transfer after 15 minutes drying
Initial bond strength tensile shear (Wet and dry)	>200KPa at 24 hours
Bond strength in tensile shear (Wet and dry)	>2MPa
Static load in shear	10 days sustaining a 40N load at 40C
Static load in shear after accelerated ageing	Test assemblies meet requirements after 500 hours 70°C

Typical Use

BLD-333 is suitable for use on materials such as timber, MDF, plasterboard, plastics, masonry, concrete, particleboard, metals, rubber, glass, tiles and ceramics

Features

1. The Nail Free Adhesive is formulated to provide sufficient flexibility, so that the bond can be stronger and more durable (flexible enough that it responds immediately to the cold and heat displacement and normal contraction of the building parts without losing bonding strength).
2. Excellent water and weather resistance make it suitable for indoor and outdoor

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applications.

3. Easier to squeeze out of paper pipes when the weather temperature is low in winter.
4. Fast positioning, fast curing.
5. Withstands temperatures from -10°C to 90°C after full curing.
6. No dripping, no hanging, no shrinking.
7. It can fill the building materials that do not require the flatness of the interface to be particularly strict, and the seam gap with a width of up to 9mm can be filled.
8. After drying, it can be painted

Direction for use

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 (12-24 hours) before removing any temporary fasteners or clamping. Use with mechanical fasteners in high stress applications.

Safety Rules

1. Keep the work field drafty.
2. In case of contact with eyes, rinse with plenty of water and appeal to the doctor immediately.
3. Keep away from the children.

Limitation

1. Avoid use in tightly clamped joints, such as cabinet making or joinery;
2. Do not use as the sole bonding agent for structural bonding;
3. Not for permanent water immersion.

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Storage

1. Should be stored separately in cool and dry places, temperature below 27°C.
2. 18 months shelf life since the date of production.

Transportation

Transported as unhazardous goods.

Color

White, Beige, Clear and others.