

# LIQUID NAILS MIRROR ALUMINUM

## DESCRIPTION

A premium grade high strength construction adhesive that delivers a consistently strong bond on mirror, metal and glass material.

## SIZES AVAILABLE

Liquid Nails Mirror Aluminium is available in 310g cartridges. And 75g tube.

## USES

Ideal for adhering mirrors to walls, metal letterboxes to exterior walls, house numbers to exterior walls, bathroom fixtures to tiles, tool holders on metal shed walls etc.

Liquid Nails Mirror, Metal , Glass is also suitable for use on BHP decorative sheet metals such as Lysaght, Zinalume® and Colorbond®, Marviplate®, galvanised metals, and Alcan and Comalco aluminium systems.

## TECHNICAL FEATURES

- Will not discolor mirrors
- Clear in Colour
- Heat and steam resistance
- Adheres to metal, glass, mirror as well as most surfaces including painted surfaces but not wall coverings
- Gap Filling on uneven surfaces
- Forms flexible/shock resistant bonds
- Non-corrosive
- Weather resistant

## LIMITATIONS

- Cannot be painted over
- Not suitable for rigid bonds, eg: repairing broken glass.
- Not suitable for totally enclosed bonds. Adhesive requires air to cure
- Not recommended for vinyl backed mirror
- Not Recommended for permanent water immersion application

## TECHNICAL DETAILS

### **Typical Properties**

(Not intended for setting of specifications)

*Consistency (as applied):*

Non-slump, solvents free paste.

*Curing Mechanism:*

Very rapidly develops an adhesive bond by reaction with moisture from the air.

*Curing Rate:*

2mm depth per day.

*Skin Forming Time:*

5-10 minutes (depending on weather conditions).

*Service Temperature:*

-60 °C to +150 °C

*Lap Shear Bond Strength (Aluminium to Aluminium at 1.6 mm thick adhesive, 500 sq mm bond area)*

After 24 hrs: 280KPa After  
48 hrs: 550 KPa After 7  
days: 830 KPa

## **DIRECTIONS**

- All Surfaces must be clean, dry and free from dirt, dust, oil and loose rust. Clean surfaces with mineral turpentine and wipe dry with a clean rag. Before applying, painted surfaces should not be flaky or peeling
- Cut tip off cartridge and cut nozzle to suitable size opening (approximately 5mm). fit nozzle to cartridge. Place cartridge into caulking gun.
- Support bond until adhesive cures sufficiently at least after 48 hours . (Adhesive cures at 2 mm depth per day)

## **APPLICATION FOR MIRRORS**

1. For mirrors up to 6mm thick, apply strips of adhesive 5cm from edges and approx 8cm apart.
2. When mirror is pressed onto the wall, strips of adhesive must not spread into, or touch one another. A gap must remain between them.
3. Immediately after applying adhesive, place mirror against wall before adhesive skins (Within 5 minutes)
4. The weight must be supported and mirror must be held in place with temporary supports( eg with clips or tape) to hold and maintain adhesive contact over the total bond area until sufficient adhesive strength has developed. Normally after 72 hours.
5. Do not seal around the edges of the mirror for at least a week to allow air circulation and aid the adhesive fully cure
6. Mirrors should not be fixed directly to unpainted plaster, timber, concrete or brick walls. These surfaces should be painted to prevent potential damage to mirror. Painted surfaces should not be flaking or peeling.
7. Not recommended for fixing vinyl back mirrors.
8. If in doubt, conduct an adhesion test by curing a little adhesive onto mirror backing for 24 hours. If adhesive can be peeled off , do not proceed

## **GENERAL APPLICATION**

1. Apply as for mirrors and press surfaces together immediately.
2. Leave 'squeeze out ' to cure and trim (avoid cutting into the bond)
3. Support bond until adhesive cures sufficiently (normally after 72 hrs). Adhesive cures at 2 mm depth per day.

## **CLEAN UP**

Clean all excess adhesive from equipment before it cures with a cloth dampened with mineral turpentine or acetone.

Once cured adhesive is extremely difficult to remove and must be abraded or trimmed with a knife.

## **WARNINGS/FIRST AID**

Avoid contact with the skin and eyes when uncured. In case of contact with eyes, flush with water for at least 15 minutes and seek medical attention. Wash exposed skin with detergent and water.

Avoid breathing vapour. Use in a well ventilated area as this product releases Methyl ethyl ketoxime while curing.

## **SHIPPING/STORAGE/DANGEROUS GOODS INFORMATION**

### **Storage**

Store in a cool dry place.

### **Transport**

Not restricted.

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