

Technical Data Sheet

AS-5002

Aqua Bond



Physical Properties

Base:
Synthetic rubber

Appearance:
Thick paste

Colours:
Brown

Open Time
Max. 5 minutes
(at 25 °C & 50% R.H.)

Curing time:
24 – 72 hours

Application temperature:
-20 °C – 38 °C

Service temperature:
-30 °C – 60 °C

Storage:
Store in a dry and cool place
with temperature below
30 °C.

Shelf Life:
12 months

Packaging:

Content	Quantity / carton
300 mL cartridge	24

Description

Aqua Bond is a high performance construction adhesive specially formulated to bond non-porous substrates, such as Aluminium Composite Panel (ACP) and metal panel. It is also suitable to bond a variety of other common construction materials. It has strong initial grab, superior adhesion, and will not slump on vertical surfaces.

Features

- ◆ Superior adhesion for all metal substrates including Aluminium Composite Panel (ACP)
- ◆ Bonds most materials
- ◆ Strong initial grab

Applications

- ◆ Suitable for Aluminium Composite Panel (ACP) and metal panel installations.
- ◆ Ideal for bonding most construction materials: wood, particle board, metal, concrete, fiber-reinforced cement board, ceramics, bricks, flooring panels.

Technical Data

Curing system	: Solvent evaporation
Density	: 1.22 g/mL
Solid content	: 81-82 %
Lap shear strength (ASTM D1002)	: 3.5 N/mm ² (Wood-to-wood)
Freeze/Thaw stability	: 5 cycles

Usage Instructions

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. For a neat finish, apply masking tape and remove it before construction adhesive skins over.
3. Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
4. Two-way contact (Lighter substrate bonding): Apply adhesive onto substrate to be bonded, press firmly, and pull apart. Allow to tack-off for 10 to 30 seconds and press firmly together again. Contact areas should be tapped with a rubber mallet to ensure intimate contact.
5. One-way method (Heavier substrate bonding): Apply adhesive onto substrate to be bonded, press firmly, and securely fasten them together (clamp, nail, screw, etc.). Retain fastening for a minimum of 24 hours.
6. Any wet or partially wet adhesive can be removed with a piece of cloth. Dried adhesive is best removed with scraper or by sanding.

Coverage

A 300 mL cartridge will cover 10 meters of 6 mm bead.



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Limitation

- ◆ Not suitable for outdoor use.

Caution

Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to the nervous system through prolonged or repeated exposure by inhalation. Harmful to aquatic life with long lasting effects. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe fumes. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye protection. IF exposed or concerned: Get medical advice/attention. Store locked up. Safety data sheet available on request.

Disclaimer

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