
	<b>ALSEAL MARKETING SDN. BHD.</b>	 <small>ISO 9001:2008 Certificate No. QA/MYS/0085</small>	<b>Issued Date: 10/6/15</b>
	<b>Technical Data Sheet</b>		<b>Revision No.: 0</b>
	<b>AS-251 Aqua Nails</b>		<b>Revised Date: -</b> <b>Page: 1 of 2</b>

### **Product Specification:**

Appearance:	Thick Paste
Colour:	Brown
Solids:	76 – 78 %
Consistency:	Thixotropic
Specific Gravity:	Approx. 1.16 ± 0.01 g/mL
Open Time:	Max. 40 mins. at 23°C and 50% R.H.
Curing Time:	24-72 hours depending on temperature and porosity of surface.
Water Absorption:	Does absorb water to a certain extent which lowers the mechanical properties. Not to be used for constructions that will be exposed to severe water immersion.
Lap shear strength: (Modified from ASTM D1002)	4.43 N/mm <sup>2</sup> (Wood to wood)
Application Temperature	-20°C to 38°C
Service Temperature	-30°C to 60°C
Freeze/Thraw Stability	5 Cycles
Coverage:	400–1000g/m <sup>2</sup> depending on the smoothness and porosity of the surface and desired strength of the construction to be glued.

### **Product Description:**

A one component, high performance, paste like construction adhesive sealant formulated to bond a variety of common construction materials. It has strong initial grab, superior adhesion and will not slump on vertical surfaces.

### **Applications:**

Ideal for bonding of skirting boards of wood and PVC, particleboard, masonry, aluminum, galvanized iron, steel, concrete, fibrous cement sheeting, wall brick, concrete and flooring paneling. It is also safe to use on foamed polystyrene and mirror backed tiles.

### **Directions:**

- Surfaces must be clean, dry and free of dirt, grease, oil or water.
- Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun.
- For a neat finish, apply masking tape and remove it before construction adhesive sealant has skinned over.
- Construction adhesive sealant can be applied either as a two-way contact or a one-way wet stick adhesive (recommended for heavier panels or those that are formed to place a loading or stressed memory on bond line).
- **Two-way contact:** Press firmly over entire surfaces to transfer adhesive and then pull both surfaces apart. Allow to tack off for few minutes (3-5 minutes depending on weather conditions) and reposition and press firmly together. Contact areas should be tapped with a hammer and padded block to ensure intimate contact.
- **One-way method:** After applying adhesive and bringing substrates together, they should be sufficiently clamped, nailed or screwed in a fashion that maintains maximum surface contact at bonded interfaces. Mechanical fastening should be retained if highly stressed, but can be released after a minimum of 24 hours.
- Any wet or partially wet adhesive can be removed with a piece of cloth. Dried adhesive is best removed with scraper or by sanding.

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### Packaging/Coverage:

345gm per cartridge. 24 cartridges per carton. 144 cartons (18 cartons x 8 layers). A 345gm cartridge will cover 15 metres of 6mm bead.

### Caution:

- Avoid contact with eyes, skin and mouth.
- In case of contact with eyes, flush with water immediately for 15 minutes. If irritation persists, seek medical attention.

**Keep out of reach of children. Use in well ventilated areas.**

### Storage:

- Highly inflammable, keep away from heat source or naked flames. Store in a dry and cool place with temperature below +30°C.
- Use within 12 months from date of production.

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