


 <small>A member of</small> 	<b>VITAL TECHNICAL SDN. BHD.</b>	 
	<b>Technical Data Sheet</b>	
	<b>VT-239 Clear Nails</b>	

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# VT-239 Clear Nails

## Construction Adhesive Sealant

### BASE

Synthetic rubber

### PHYSICAL STATE

Thick paste

### COLOUR

Translucent

### OPEN TIME

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

### CURING TIME

24 to 72 hours  
Full cure in two weeks

### PACKAGING

300 mL/cartridge  
(24 cartridges/carton)

### SHELF LIFE

18 months (cartridge)

### STORAGE

Store in a dry and cool place with temperature around 30 °C

### APPLICATION TEMPERATURE

-10 °C to 38 °C

### SERVICE

TEMPERATURE  
-30 °C to 60 °C

### DESCRIPTION



VT-239 Clear Nails is a translucent one-component construction adhesive sealant. Formulated for bonding a diverse range of common construction materials, especially when aesthetic is paramount. It has a strong initial grab, superior adhesion, and does not slump on vertical surfaces.

### TECHNICAL DATA

Curing system	: Solvent evaporation	
Specific gravity	: 0.91 g/mL	
Lap shear strength	: > 1.5 MPa	ASTM D1002 (Wood-to-wood)
Solid content	: 60 to 63 %	
Freeze / thaw stability (down to -40°C)	: 5 cycles	

### FEATURES

- Translucent paste
- Strong initial grab
- Non-drip paste
- Excellent adhesion on most substrates
- Can be extruded even at low temperatures
- Good paintability – Paintable with water based paints. Oil based paints require undercoating with water based paints first.

### APPLICATION

- Bonding most construction materials: wood, timber, particle board, MDF, metal, concrete, fiber-reinforced cement board, tiles & ceramics, bricks, flooring panels, most plastics\*, painted and masonry substrates.
  - Ideal for colour-coated glass, clear glass block, fibreglass, stained glass, decorative glass and shower screen application.
  - Suitable for bonding mouldings & trims, skirting boards & architraves, general fabrication and creating mosaics.
- \* Pre-test plastics to determine compatibility.

### APPLICATION DIRECTION





1. Surfaces must be clean, dry and free of dirt, grease, oil or standing 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.

### LIMITATIONS

- Not recommended for Polystyrene (Styrofoam).
- Not recommended mirror bonding
- Not suitable for outdoor use.
- Not suitable to be used in enclosed space or without ventilation.
- Solvents may affect some plastics, will not bond polyolefin plastics such as polyethylene and polypropylene, may damage some polycarbonate, avoid smear and spills.
- May not adhere to wet absorbent surfaces or to some old wet metals.
- Not recommended for permanent water immersion or water containment structures.

### CAUTION

Highly flammable liquid and vapour. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation and serious eye irritation. Harmful to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read carefully and follow all instructions. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment.

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**LEGAL NOTES**

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