

	VITAL TECHNICAL SDN. BHD.	 
	Technical Data Sheet	
	VT-230 Vital Nails	

Issuance date: 04/06/2009

Revision date: 06/09/2024

Revision No.: 24-01

VT-230 Vital Nails

Construction Adhesive Sealant

BASE

Synthetic rubber

PHYSICAL STATE

Thick paste

COLOUR

Brown

OPEN TIME

Max. 5 minutes
(at 25 °C & 50% R.H.)

CURING TIME

24 – 72 hours

PACKAGING

350 g/cartridge
(24 cartridges/carton)

SHELF LIFE

18 months (cartridge)

STORAGE

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

APPLICATION TEMPERATURE

5 °C – 38 °C

SERVICE TEMPERATURE

-30 °C – 60 °C

(Scan to learn how to use)



Visit product page:
<https://vitaltechnical.com/product/vt-230-vital-nails/>

DESCRIPTION



VT-230 Vital Nails is a one-component construction adhesive sealant formulated to bond on a variety of common construction materials. It has strong initial grab, superior adhesion, and does not slump on vertical surfaces.

TECHNICAL DATA

Curing system	: Solvent evaporation	
Specific gravity	: 1.20 g/mL	
Lap shear strength	: 3.2 N/mm ²	ASTM D1002 (Wood-to-wood)
Solid content	: 77 %	
Freeze/Thaw stability	: 5 cycles	

FEATURES

- SVHC compliant
- Mirror and polystyrene safe
- Strong initial grab
- Non-drip paste
- Excellent adhesion on most substrates
- Can be extruded even at low temperatures

APPLICABLE TESTS / STANDARDS

- VT-230 meets the requirements of:
- CISCA 2007- Section 6: Pedestal Overturning Moment Test
 - Substances of Very High Concern (SVHC) screening.

APPLICATION

- Ideal for bonding most construction materials: wood, particle board, metal, concrete, fibre-reinforced cement board, ceramics, bricks, flooring panels, wall panel board.
- Can be used on polystyrene and mirror.

APPLICATION DIRECTION



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 350 g cartridge will cover 10 meters of 6 mm bead.

LIMITATIONS

Not suitable for outdoor use. Do not use for overhead mirror installations

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CAUTION

Contains AMIDE WAX. May produce an allergic reaction. Highly flammable liquid and vapour. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Toxic 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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing / eye protection/face protection / hearing protection. Collect spillage.

LEGAL NOTES

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.