



MICROTAC SYSTEMS PTE LTD

Technical Data Sheet

VT-232

Eco Nails

(Formerly known as 'Low VOC Construction Adhesive')

Issuance date: 04/06/09

Revision date: 04/01/18

Revision No.: 18-01

VT-232 Eco Nails

Construction Adhesive



BASE

Synthetic rubber

PHYSICAL STATE

Thick paste

COLOUR

Light Brown

OPEN TIME

Max. 5 minutes
(at 25 °C & 50% R.H.)

CURING TIME

24 – 72 hours

PACKAGING

300 mL/cartridge
(24 cartridges/carton)
5.0 kg/ tin can
(4 cans/carton)

SHELF LIFE

12 months (cartridge)
12 months (tin can)

STORAGE

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

APPLICATION TEMPERATURE

-20 °C – 38 °C

SERVICE TEMPERATURE

-30 °C – 60 °C

DESCRIPTION



VT-232 is a one-component, low-VOC (compliant with SCAQMD rule #1168), paste-like construction adhesive formulated to bond a variety of common construction materials. It is Singapore Green Building Product Labelling Scheme (SGBPLS) compliant. It has strong initial grab, superior adhesion and will not slump on vertical surfaces. It is suitable for heavy duty general construction, remodelling, maintenance and repair projects.

TECHNICAL DATA

| | | |
|-----------------------------|--------------------------|------------------------|
| Curing system | : Solvent evaporation | |
| Density | : Approx. 1.18 g/mL | |
| Lap shear strength | : >2.5 N/mm ² | Wood-to-wood |
| Solid content | : 68 - 70 % | |
| Freeze/Thaw stability | : 5 cycles | |
| Pedestal overturning moment | : 170.52 N/m | CISCA 2007 – Section 6 |

FEATURES

- Singapore Green Building Product Labelling Scheme (SGBPLS) certified
- Low VOC compliant
- Non-drip paste
- Bonds most materials
- Strong initial grab

APPLICATION

- Ideal for bonding of skirting boards of wood and PVC, particleboard, masonry, aluminium, galvanized iron, steel, concrete, fibrous cement sheeting, wall brick, concrete and floor panels. It is recommended for bonding pedestals of raised access floors to cement floor screed, whereby the adhesion in this application is shown excellent in CISCA 2007- Section 6: Pedestal Overturning Moment Test.

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.
7. **For raised floor pedestal**: Apply adhesive of 2 - 4 mm thickness to the pedestal base with a scraper. Place the pedestal onto floor with a twisting motion. Adhesive oozed out from pedestal should not exceed 5mm. Do not reposition the pedestal after adhesive is applied for >15 minutes. Two-way contact application method can be used to shorten curing time.

COVERAGE

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



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CAUTION

Highly flammable liquid and vapour. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life with long lasting effects. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing fume. Wear protective gloves and eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. IF exposed or concerned: Get medical advice/attention. Store locked up. Safety data sheet available on request.

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.