


 <small>A member of</small> 	VITAL TECHNICAL SDN. BHD.		 
	Technical Data Sheet		
	VT-636 MS Floor and Wall Bonds		

Issuance date: 02/01/2025

Revision date: 14/07/2025

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VT-636 MS Floor and Wall Bonds

One-component Elastic Adhesive

PHYSICAL STATE

Non-sagging paste
(before cure)

Elastic rubber (after
cure)

STANDARD COLOR
(W10) White

SKIN-FORM TIME

20 – 25 minutes
(at 25 °C & 50% R.H.)

PACKAGING

- 24 kg / pail
(3x8kg packs per pail)
(24kg ≈ 15.3 Liter)
- 16 kg / pail
(2x8kg packs per pail)

SHELF LIFE

12 months

STORAGE

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

**APPLICATION
TEMPERATURE**

15 °C to 35 °C

**SERVICE
TEMPERATURE**

-20 °C to 90 °C

DESCRIPTION



VT-636 MS Floor and Wall is a universal construction adhesive based on advanced MS Polymer technology. It cures on exposure to atmospheric moisture, and forms an elastic bond on general building materials, including porous and non-porous surfaces, floors, wall decorative and panels.

The adhesive can be troweled easily. It has good weathering and UV resistance properties. This is a safe product as it does not contain hazardous materials like isocyanate, solvents, halogens, and acid.

TECHNICAL DATA

Base	: One-component MS (Modified Silane) Polymer
Curing system	: Moisture curing
Specific gravity	: 1.66
Ultimate tensile strength	: 1.2 N/mm ² ASTM D412
Elongation at break	: 200 % ASTM D412
Shore A hardness	: 60 ASTM C661

FEATURES





- Single-component – *Ready for use, no mixing required*
- Resistant to aging – *Permanently elastomeric*
- Workability – *Easy to tool*
- Indoor and outdoor application
- Paintable
- Excellent adhesion on most substrates
- Notched trowel ridges hold firm – *Minimize hollow spots by bridging gaps*
- Free of water, 100% solid content – *No dimensional changes in wood*
- Free of isocyanate and formaldehyde – *Non-hazardous formulation*
- Easy surface clean up – *Easy cleaning on substrates*
- Non-flammable, non-hazardous, stable shelf life – *Easy storage*

APPLICATION

Ideal for bonding all types of building materials – including porous and non-porous substrates on horizontal and vertical surfaces: concrete, concrete screeds, cement / sand screeds, anhydrite screeds, wood, artificial grass, plywood, cured leveling compounds, epoxy membrane, OSB (underlayment grade), particle board, gypsum board, ceramic tiles, stone, terrazzo, radiant heated subfloors, metal decking, steel, aluminum, etc.

PREPARATION

- Subfloor must be solid and structurally sound, flat, smooth, clean, permanently dry, no indentations and anti-adherents, as well as resistant to pressure.
- Subfloor must be free of dust, dirt, grease, wax, loose paint, oil, sealers of ANY type, curing compounds, bond breakers, asphaltic residue, liquid adhesive remover, strippers, chemicals, or any other foreign substances that can potentially affect bonding. Cleaning the subfloor with an industrial vacuum cleaner is recommended.
- Subfloor must be flat to 3mm over 3 meters, otherwise it will increase the risk of hollow spots under timber overlay.
- Any existing coating or adhesives must be completely removed. Mechanical treatment (e.g. shot blasting, grinding or sanding) may be required to achieve subfloor conditions mentioned above.
- It is recommended to verify that the moisture content of the slab is <5.5%, and moisture vapour transmission rate is <15g/m² per 24 hour before commencing installation works. Excessive moisture in subfloor could affect wood flooring.
- To help reduce moisture migration and subsequent wood swelling or cupping, ground floor slabs or new concrete slabs are recommended to be coated with **V-tech VT-507 FloorSeal Epoxy Moisture Barrier**.
- Before installation, check moisture content of wood is as recommended by wood flooring manufacturer (generally 9% ±2%).
- Radiant heated subfloors should be turned off 24 hours prior to and during installation to prevent premature curing of the adhesive.
- Recommended air temperature during installation – between 10°C - 35°C (50°F - 95°F), Relative Humidity – between 40% and 75%, subject to the requirements specified by wood flooring manufacturer.
- Do not install if the walls and ceilings of the area are not dry (e.g. after plastering or painting etc.)

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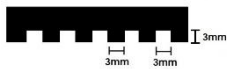
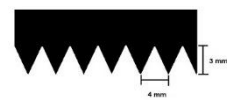
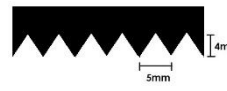
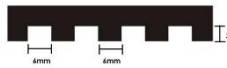

APPLICATION DIRECTION





Packs in Pail:

1. Remove the lid and cut open the foil liner. Once open, the entire contents should be used within a short period of time.
2. Spread the adhesive with the proper notched trowel, apply uniformly on the subfloor. Avoid adhesive pools and excessive adhesive thickness by passing the trowel evenly through the adhesive at a 45-degree angle.
3. Place wood in the adhesive within working time, correctly position it and press down firmly or tamp down with a rubber hammer to ensure good overall contact. Wood may slip and move at first so be sure to secure the initial row to limit movement and hold patterns.
4. Minimum 80% of adhesive contact coverage is recommended to achieve proper installation of parquet floor. Place heavy objects to hold the wood firmly in place during the curing time, especially on bowed boards or boards over low spots. It may be necessary to sort out bowed planks before installation.
5. When installing near a solid object or wall, leave ample room for expansion. Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure.
6. When the installation is complete, use wedges or some object to hold wood in place while adhesive dries. Remove wedges after initial setting of adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the substrate.
7. Restrict foot traffic for a minimum of **12-16 hours**. Wait a minimum of **24 hours** before sanding and varnishing.

Note: Follow wood flooring manufacturer's guidelines for layout, design and any special precautions for installation.

COVERAGE

Floor Type	Trowel	Coverage
<ul style="list-style-type: none"> finger block parquet 	 Square Notch 3 mm x 3 mm x 3 mm	Up to 2.0 m ² /L
<ul style="list-style-type: none"> ≤13mm solid wood ≤13mm engineered wood 	 V Notch 4 mm x 3 mm	Up to 1.4 m ² /L
	 V Notch 5 mm x 4 mm	Up to 1.2 m ² /L
<ul style="list-style-type: none"> 9-13 mm solid wood >13 mm engineered wood <19 mm parquet 	 Square Notch 6 mm x 6 mm x 3 mm	Up to 1.0 m ² /L
<ul style="list-style-type: none"> >13 mm solid wood 4' x 4' plywood 	 Square Notch 6 mm x 6 mm x 6 mm	Up to 0.9 m ² /L
<ul style="list-style-type: none"> Trowel type and size are selected based on flooring type. Coverage rates shown are only guidelines. Coverage will vary with trowel size/type, angle the trowel is held to the subfloor, and the absorption level of substrate. Generally, use a fine trowel for wood of smaller sizes and/or smooth substrates, and a coarse trowel for wood of larger sizes and/or rough. 		

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CLEANUP

- Can be cleaned up with acetone or mineral spirits when wet.
- Cured materials can only be removed mechanically.

LIMITATIONS

- VT-636 MS Floor and Wall cannot be used as a glazing sealant
- VT-636 MS Floor and Wall can be used for bonding of natural stone, but it cannot be used as a joint sealant on this type of surface.
- Do not use as a structural adhesive.
- Do not use in prolonged water immersion applications.
- Do not use on dusty, contaminated or friable substrates.
- Do not dilute the adhesive.
- Do not install solid wood over cutback residue or over VCT/vinyl.
- Resistant to water, dilute acids, and diluted caustic solutions, temporarily resistant to fuel, animal fats and oils, not resistant to organic acids, concentrated caustic solutions.

CAUTION

Keep out of reach of children. For further health and safety information, consult the latest safety data sheet.

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.