

Issuance date: 23/05/2025

Revision date: 17/012/2025

Revision No.: 25-03

VT-627 Self-Levelling MS Sealant

High Modulus One-Component MS Sealant



BASE

One-component
MS Polymer

PHYSICAL STATE

Flowable liquid

STANDARD COLOURS

(G10) Grey

**SKIN-FORM /
TACK-FREE TIME**

30 – 60 minutes
(at 25 °C & 50% R.H.)

PACKAGING

600 mL/sausage
(20 sausages/carton)
24 kg/pail
(3x8kg packs per pail)
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**

5 °C – 40 °C

**SERVICE
TEMPERATURE**

-30 °C – 90 °C

DESCRIPTION



VT-627 Self-Levelling MS Sealant is a one-component, high-modulus MS polymer-based sealant designed for superior self-levelling performance. Specially formulated for horizontal applications, it flows smoothly to fill floor cracks, traffic joints, and other horizontal void surfaces - ensuring a durable, watertight seal with minimal effort.

With the good UV performance and elastomeric features MS Polymer provide, it made VT-627 Self-Levelling MS Sealant a better choice for horizontal outdoor application, i.e. concrete, stone, masonry and more.

TECHNICAL DATA	Curing system	Moisture curing	
	Specific gravity	1.39 g/mL	
	Ultimate tensile strength	1.3 N/mm ²	ASTM D412
	Elongation at break	150 %	ASTM D412
	Shore A hardness	30	ASTM C661
	Viscosity	30,000 – 40,000 cPs	
	Movement capability	±25 %	ASTM C719
	Low VOC compliance	Yes	SCAQMD Rule #1168
	VOC content	12.18 g/L	USEPA Method 24
	Cure depth (24 hours) at 23 °C, 50% humidity	Approx. 4 mm	

FEATURES	
<ul style="list-style-type: none"> ▪ Self-levelling ▪ ±25 % movement capability ▪ Easy to apply ▪ Indoor & outdoor application 	<ul style="list-style-type: none"> ▪ High modulus strength ▪ Good weathering resistance ▪ Paintable

APPLICABLE TEST STANDARD	VT-627 meets the requirements of:
	<ul style="list-style-type: none"> ▪ ASTM C920, Type S, Grade P, Class 25, Use T1& M ▪ Low VOC - USEPA Method 24

APPLICATION	Recommended for sealing horizontal crack and traffic joint on concrete, stone, masonry and more.

PREPARATION	<ul style="list-style-type: none"> ▪ Substrate surface must be clean, free of dirt, grease, oil, or standing water. ▪ For a neat finishing, use masking tapes and remove it within the working time. ▪ Closed cell backing materials is recommend for traffic joint application.

APPLICATION DIRECTION	Sausages: <ol style="list-style-type: none"> 1. Cut the tip of the sausage carefully and slip it into the caulking gun. 2. Cut the nozzle into an appropriate diameter at an angle of approximately 45° to 60°. 3. Place the nozzle into the caulking gun and screw tight. 4. Extrude the sealant with a single bead. Tool the sealant bead with a clean and dry tool before the sealant skins for a smooth finishing.

CLEAN UP	<ul style="list-style-type: none"> ▪ Wet sealants can be cleaned up with acetone or mineral spirits. ▪ Cured sealants can only be removed mechanically.

LIMITATIONS	Not recommended for the following applications: <ul style="list-style-type: none"> ▪ Below waterline or permanent water immersion. ▪ Outdoor sealing/bonding adjacent to glass substrates. ▪ Polyethylene, polypropylene, polytetrafluoroethylene (Teflon), neoprene, and bituminous surfaces. ▪ Overcoated with <ul style="list-style-type: none"> - Alkyd resin paint - cure inhibition to the paint - Chlorinated paint - staining issue ▪ Oil based paint - not compatible



VITAL TECHNICAL SDN. BHD.

Technical Data Sheet

**VT-627
Self-Levelling MS Sealant**



Issuance date: 23/05/2025

Revision date: 17/012/2025

Revision No.: 25-03

VT-627
Self-Levelling MS
Sealant

CAUTION Contains aminosilane. May produce an allergic reaction. Harmful to aquatic life with long lasting effects. Keep out of reach of children. Safety data sheet available on request. 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.

LIMITED WARRANTY INFORMATION Vital Technical provides material warranty for a duration of 5 years if the product is used within its shelf life and in compliance with industrial standard application procedures. Vital Technical disclaims liability for any consequential or incidental loss or damages caused by incorrect usage. The material warranty only covers the replacement of the product without the other costs incurred, if the failure is proven to be directly related to the product within the warranty period. Material warranty will only be available once customer submits all the necessary documents and information, and an official material warranty letter is issued by Vital Technical. Any claim of warranty shall be made directly to Vital Technical in writing. Vital Technical shall hold no responsibility until site inspection by representatives of Vital Technical to confirm the alleged failure has been carried out.