



Formulated For The Professionals
Adhesives & Sealants

VT-620 / VT-620S LM MS Sealant

Advanced MS Polymer

A general-purpose sealant based on advanced MS Polymer technology. It is a single-component elastomeric sealant with excellent adhesion property on various substrates like concrete. After curing, the sealant is permanently elastic and has a movement capability of $\pm 50\%$. It is able to comply with the stringent requirements of ASTM C920 as well as contribute to the Leadership in Energy and Environmental Design (LEED) v4.1 credit. Unlike polyurethane sealants, VT-620 is solvent-free and isocyanate-free; ensuring that the cured sealant will not shrink or have bubbling issues. It is also free of silicone oil, minimising building aesthetic issues caused by oil staining and dirt streaking problems often associated with silicone sealants.

Applications: Recommended for sealing concrete joints like precast wall panel joints, expansion joints, control joints, connection joints, etc. It is also ideal for window frame perimeter sealing especially when the sealant needs to be painted. Other recommended applications include sealing of GRC panel systems, anodized aluminium, masonry, porcelain, coated metal, finished wood, epoxy and polyester panels, uPVC, polystyrene, and stainless steel.

Applicable Test / Standard:

1. ASTM C920, Type S, Grade NS, Class 50, Use NT & M
2. ISO11600 F Class 25 LM
3. FDA 21 CFR Part 175.300 (Food Contact Safe)
4. Leadership in Energy and Environmental Design (LEED) v4.1 EQ compliant
 - Low VOC Content - USEPA Method 24 under SCAQMD Rule 1168
 - Low VOC Emission - CDPH Standard Method v1.2- 2017
5. SIRIM Product Certification Licence Scheme
6. RoHS I & RoHS II

Standard Colours: White, Grey and Black

Special Colours: Dark Grey, Graphene Grey, Dark Grey, Concrete Grey, Trade Grey, Beige, Off White, Redwood, Sandstone, Dark Bronze and Teak
(Made-to-Order)

Item Code	Content	Carton Quantity
VT-620	290 ml Cartridge	20 / Carton
VT-620S	600 ml Sausage	20 / Carton



PERIMETER
SEALING



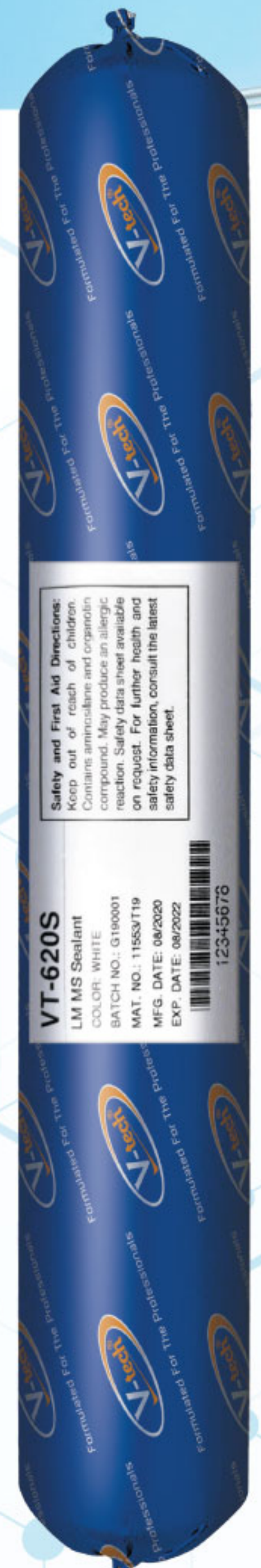
PRECAST WALL
PANEL JOINT



CONCRETE
JOINT



SIRIM
Certified to: ASTM C 920 : 2018
Certification No.: PC013997



Features

- $\pm 50\%$ movement capability
- Better weathering resistance than PU sealants
- Paintable
- Low static charge – Less dirt streaking
- Isocyanate-free – No air bubbling
- Solvent-free – No shrinkage
- Primerless bonding to most surfaces

Paintable	Flexible seal & Good UV resistance	Less dirt streaking
 <p>✓ Paintable (MS Polymer)</p>  <p>Non-paintable (Silicone Sealant)</p> <ul style="list-style-type: none"> • No silicone oil. • Paintable with various types of paint. 	 <p>✓ Good UV resistance (MS Polymer)</p>  <p>Poor UV resistance - Sealant cracking (PU Sealant)</p> <ul style="list-style-type: none"> • ± 50 % movement capability, suitable for working joints that experience significant movements. • Durable, remain elastomeric for a long time. 	 <p>✓ Less dirt streaking (MS Polymer)</p>  <p>Dirt streaking (Silicone Sealant)</p> <ul style="list-style-type: none"> • Minimize dirt streaking issue introduced by silicone sealants. • Reduce building cleaning and maintenance costs.
No shrinkage	No air bubbling	Green sealant
 <p>✓ No shrinkage (MS Polymer)</p>  <p>Shrinkage after curing (PU Sealant)</p> <ul style="list-style-type: none"> • PU sealant shrinks while curing. • MS sealant will not shrink due to its solvent-free property. 	 <p>✓ No air bubbling (MS Polymer)</p>  <p>Bubbling (PU Sealant)</p> <ul style="list-style-type: none"> • No air bubbling, The bubbles/ foams/ blisters in PU sealants are due to the formation of CO_2. • The formation of CO_2 is the result of the reaction of the isocyanate with moisture. 	 <p>✓ Green sealant (MS Polymer)</p>  <p>Hazardous materials (PU Sealant)</p> <ul style="list-style-type: none"> • LEED v4.1 credit • Compliant with SCAQMD rule 1168. • No hazardous materials such as isocyanate, solvent, heavy metals, etc.



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