	VITAL TECHNICAL SDN. BHD.	
	Technical Data Sheet	
	VT-201 All Purpose Sealant	

Issuance date: 31/03/08 **Revision date: 12/09/17** **Revision No.: 01-17**

VT-201 All Purpose Sealant

Low Modulus Acetoxy Silicone Sealant

BASE
Silicone polymer

PHYSICAL STATE
Soft Paste
(Before curing)
Elastic rubber
(After cured)

COLOURS
Clear
White
Black
Grey
Aluminium

TACK-FREE TIME
10 – 30 minutes
(at 25 °C & 50% R.H.)

PACKAGING
280 mL/cartridge
(24 cartridges/carton)

SHELF LIFE
12 months *(cartridge)*

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

APPLICATION TEMPERATURE
-20 °C – 50 °C

SERVICE TEMPERATURE
Up to 150 °C

DESCRIPTION

VT-201 All Purpose Sealant is a general purpose acetoxy silicone sealant formulated for general purpose glazing and sealing applications where long term reliability is required. It will bond to form a durable, flexible, waterproof seal on many common wet area building materials. This elastomeric sealant is permanently elastic upon curing.

TECHNICAL DATA

Curing system	: Moisture curing, acetoxy	
Density	: 0.96 – 1.00 g/mL	
Tensile strength	: >0.5 N/mm²	ASTM D412
Elongation	: >350 %	ASTM D412
Shore A hardness	: 10 – 20	ASTM C661

FEATURES

- Versatile sealant
- Permanently flexible
- Excellent durability
- Indoor and outdoor use

APPLICATION

- Well-suited for general sealing applications such as sheet metal, skylights, ventilators, air-conditioning systems, metal/ plastic signs, glass block structures and as a bedding for marine hardware.

PREPARATION

- Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water.
- Use the two-cloth method to clean if surface is dirty.
- For a neat finishing, use masking tapes and remove it within the working time.
- For sealant designs with depths of over 10 mm, use approved backing materials.

APPLICATION DIRECTION

1. Cut the cartridge tip carefully.
2. Cut the nozzle into an appropriate diameter at an angle of approximately 45° to 60°.
3. Use a caulking gun and extrude the sealant with a single bead.
4. Tool the sealant bead with a clean and dry tool within the working time for a smooth finishing.

CLEAN UP

- Wet sealants can be cleaned up with acetone or mineral spirits.
- Cured sealants can only be removed mechanically.

JOINT DESIGN

- The specified sealant bead size should be calculated to comply with the compression and extension capabilities of the sealant in relation to the anticipated joint width due to expansion and contraction.
- Generally calculation of the width sealant bead should be computed on the basis of a maximum ±20 % movement capability
- Minimum joint depth should not be less than 6 mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

VT-201
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LIMITATIONS

Not recommended for following applications:

- Substrates that could be corroded by acetic acid released as the sealant cures.
- Copper or any alloys containing copper.
- Polyethylene, polypropylene, and polytetrafluoroethylene (Teflon)
- Traffic areas subject to abrasion.
- Structural glazing.
- Substrates such as concrete, marble, quartzite, or natural stone.
- Neoprene rubber.

CAUTION

Product releases acetic acid during application and curing. Keep out of reach of children. Use in well ventilated areas. 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.