

	VITAL TECHNICAL SDN. BHD.		 
	Technical Data Sheet		
	VT-260S LM PU Sealant		

Issuance date: 31/03/08

Revision date: 06/11/20

Revision No.: 20-02

VT-260S LM PU Sealant

Low Modulus Polyurethane Sealant



BASE

Polyurethane

PHYSICAL STATE

Soft paste

COLOR

Various color

PACKAGING

600 mL/sausage
(20 sausages/carton)

SHELF LIFE

12 months (sausage)

STORAGE

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

APPLICATION TEMPERATURE

5 °C – 40 °C

SERVICE TEMPERATURE

-30 °C – 100 °C

DESCRIPTION



VT-260S is a one-component, low modulus polyurethane sealant formulated for construction joint sealing applications. It will bond to form a durable, flexible seal capable of cyclic expansion and compression movement of 50% ($\pm 25\%$) of the original width. It is virtually unaffected by normal weathering conditions such as rain, UV radiation, snow, atmospheric contamination and pollution etc. It is paintable and non-staining hence ideal for bonding of natural stone like granite and marble..

TECHNICAL DATA

Appearance	: Paste	
Curing System	: Moisture curing	
Density	: 1.55 g/mL	Density
Skin Over Time	: 35 – 60 minutes	Skin Over Time
Tensile Strength	: 1.0 N/mm ²	Tensile Strength
Elongation at Break	: >900%	Elongation at Break
Lap Shear Strength	: >0.5 N/mm ² (Al to Al)	Lap Shear Strength
Shore A Hardness	: 25 - 35	Shore A Hardness
VOC Content	: <4 %	VOC Content

FEATURES

- Durable & flexible
- Non staining
- Paintable

APPLICABLE TESTS / STANDARDS

- VT-260 meets the requirements of:
- Low VOC - USEPA Method 24 under SCAQMD Rule 1168
 - Sirim Test – ASTM D 412 – 1998a

APPLICATION





- Well-suited for insitu concrete, precast and tilt up panels, brick & block-work, plaster board, aluminum windows, granite, sandstone and marble, GRC, fiberglass & specialty systems, metal curtain wall, water tank etc. It is not outgassing hence suitable for clean room applications.

APPLICATION DIRECTION

- Surfaces must be clean, dry and free of dirt, grease, oil or water.
- Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desire bead-width and apply to substrate with cartridge gun.
- Dust and loose particles should be blown out of joints or vacuum cleaned.
- Non porous surfaces may require preparation / priming.
- Cleaning solvent should not be allowed to dry or evaporate without being wiped with a clean, dry cloth.
- Clip the end of the sausage and place in a barrel gun.
- Screw end cap and nozzle on the barrel gun.
- Use the trigger to extrude the sealant and to stop using the catch plate.
- Apply the sealant in a continuous bead using enough pressure to properly fill the joint.
- For a neat finish, apply masking tape and remove it before sealant skins over.

JOINT DESIGN

- Prime prior to the installation of the backing rod.
- Always use backing rod for correct sealant geometry.
- Ensure maximum adhesion to bond face and depth to width ratio of 1:1 to 12mm and 2:1 from 12mm to 50mm.
- Tool sealant to achieve concave shape.

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VT-260S

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LIMITATIONS

Not recommended for following applications:

- Use in chlorinated water such as swimming pools, spas etc.
- Constant immersed in salt water.
- Used for glazing applications.
- Applied to cement based substrates within 28 days
- Used in trafficable joints greater than 10mm width
- Applied at temperatures below 5°C

CAUTION

- Uncured sealant may cause skin, eyes and respiratory system irritation.
- Use appropriate personal protective goggles and gloves to avoid contact with skin and eyes.
- In case of eyes contact or irritation, flush eyes immediately with running water for 15 minutes and get medical attention.
- In case of skin contact, remove contaminated clothing and wash skin thoroughly for 15 minutes and see a doctor as soon as possible.
- Keep out of reach of children. Use in well ventilated areas.

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 various processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.