

FEATURES

VT-212 Sanitary Sealant is a neutral cure, one-component silicone sealant that is highly resistant to solvents and cleaning agents, as well as mold and mildew growth. It offers excellent flexibility and accommodates joint movements, making it ideal for high-moisture areas such as bathrooms, kitchens, and laundry spaces. It has a long service life and is suitable for both interior and exterior applications.

- Resistant to mold and mildew
- High flexibility, accommodating joint movement of $\pm 25\%$ (ASTM C920 class 25)
- Excellent flexibility and adhesion
- Food-grade — suitable for areas involving food preparation, and for use in food and pharmaceutical industries
- Low VOC, safe for users, and environmentally friendly

PRODUCT INFORMATION

Product type	Silicone polymer
Physical state	Before cure –Non-sagging paste After cure –Elastic Rubber
Colours	Translucent and White
Odor	No strong odor
Application areas	High-moisture areas prone to mold and mildew growth, such as bathrooms, kitchens, laundry areas, bathtubs, and showers.
Packaging	300 mL/cartridge (24 cartridges/carton)

TECHNICAL INFORMATION

Curing system	Moisture curing
Application temperature	-20°C - 50°C
Service temperature	Up to 150°C
Specific gravity	0.98-1.02 g/mL
Tack-free/Skin-form time	10-30 mins (at 25 °C & 50% R.H.)
Maximum tensile strength	1.3 N/mm ² ASTM D412
Elongation at break	390 % ASTM D412
Movement Capability	± 25 % ASTM C719
Slump	<1 mm ASTM D2202
Anti-fungal testing	0 rating (No growth) ASTM G21
Shore A Hardness	23 ASTM C661
VOC content	57.38 g/L USEPA Method 24

REFERENCE STANDARD

- ASTM G21 (Antifungal)
- FDA 21 CFR Part 175.300 (Food contact safe)
- ASTM C920, Type S, Grade NS, Class 25, NT, A & G
- Low VOC - USEPA Method 24 under SCAQMD Rule 1168 & USEPA Method 310

APPLICATION

Surface preparation	Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water.
Application Direction	<u>Cartridge</u> 1. Cut the tip of the cartridge, then load it into a caulking gun. 2. Position the nozzle against the joint at an angle of approximately 45° to 60°, then cut the nozzle to the desired diameter for application. 3. For a neat finish, apply masking tape along the edges of the joint before starting work. 4. If the joint is large, with a depth greater than 10 mm, insert a high-quality round or flat backing rod before applying the sealant.

Joint Design

5. Apply the sealant into the joint using a caulking gun, filling the joint completely or slightly overfilling.
6. Tool the sealant immediately with a soapy-finger method or a spatula, then remove the masking tape before the sealant skins over.

Coverage

- Minimum joint depth should not be less than 6 mm to accommodate movement.
- Sealant design joint width-to-depth ratio should be 2:1.

Width, W	Depth, D	Coverage (300 ml)*
6 mm	6 mm	7.58 meter
10 mm	10 mm	2.73 meter
20 mm	10 mm	1.36 meter
25 mm	12 mm	0.91 meter

* * The coverage figures shown above are approximate linear meter run based on 10% wastage assumption. Actual coverage may vary.

- Calculation formula:

$$\text{Coverage (cm)} = \text{volume of cartridge (or sausage) in ml} / [(\text{joint width(cm)} \times \text{joint depth(cm)}) \times 1.1]$$

Clean Up

Wet sealants can be cleaned up with acetone or mineral spirits.

Cured sealants can only be removed mechanically

Limitations

Not recommended for following applications:

- Below waterline or permanent water immersion.
- Applications that requires the sealant to be painted.
- Traffic areas subject to abrasion.
- Polycarbonate, Polyacrylate, Neoprene Rubber

HANDLING AND STORAGE

Storage condition

Store the product in a dry, well-ventilated area. Keep the container tightly sealed at all times. It is not recommended to place the product outdoors or expose it to direct sunlight. If the product must be stored temporarily for transportation or relocation, it should be kept separately from other materials at an appropriate distance. Additionally, flammable materials such as oil-based paints and thinners should be stored separately from other types of substances.

Shelf life

1 year at 30-35 °C (If the product is not used completely, please ensure the tube is sealed tightly.)

SAFETY PRECAUTIONS

Precautionary notices are displayed on the container. Use product under well-ventilated area. Avoiding skin contact or inhale product. In case of contact with the eye, rinse with plenty of water immediately and seek medical advice. Remove splashes from the skin by using soap or water. For others information in terms of health and safety hazards for use of this product, please observe the Safety Data Sheet.

DISCLAIMER

The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.

We reserve the right to alter the given without prior notice.

NOTE

The data are average values for reference only. However, the actual value depends on environmental conditions.