

	VITAL TECHNICAL SDN. BHD.	 
	Technical Data Sheet	
	VT-220 Seal-All-Gaps	

Issuance date: 31/03/08

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Revision No.: 25-01

VT-220 / VT-220S Seal-All-Gaps

Green Water-based Acrylic Sealant



BASE
Water-based acrylic

PHYSICAL STATE
Non-sagging paste

STANDARD COLOUR
(W10) White

SPECIAL COLOUR
(Made-to-order)
(B20) Brown
(BA0) Black
(BA1) Dark Bronze
(G13) Grey Bosney
(GA0) Dark Grey
(MA0) Maple
(OA0) Oak
(SA0) Cherry

TOOLING TIME / WORKING TIME
<15 minutes
(at 25°C & 50% R.H.)

SKIN-FORM TIME
15 minutes

PACKAGING
450 g/ cartridge
(24 cartridges/carton)
900 g/ sausage
(20 sausages/carton)

SHELF LIFE
24 months (cartridge / sausage)

STORAGE
Store in a dry and cool place with temperature below 30 °C
(Do not store below 5 °C)

APPLICATION TEMPERATURE
5 °C – 50 °C

SERVICE TEMPERATURE
-10 °C – 75 °C

(Scan to learn how to use)



Visit product page:
<https://vitaltechnical.com/product/vt-220-vt-220s-seal-all-gaps/>

DESCRIPTION



VT-220 Seal-All-Gaps is an environmentally friendly (APEO-, Formaldehyde- and Phthalate-free) acrylic sealant for general purpose sealing applications. It is paintable and formulated for sealing gaps and joints where slight movements or vibrations are expected.

It is compliant with Leadership in Energy and Environmental Design (LEED) EQ 4.1: Low Emitting Materials.

TECHNICAL DATA

Base	: Acrylic latex	
Curing system	: Water evaporation	
Specific gravity	: 1.57 g/mL	
Solid content	: 79%	
Slump test	: No slump	ASTM D 2202
Stain index	: No stain	ASTM D 2203
Ultimate tensile strength	: 1.4 N/mm ²	ASTM D 412
Movement capability	: ±25%	ASTM C 719
Elongation at break	: 220%	ASTM D 412
Shore A hardness	: 22	ASTM D 2240
Low VOC compliance	: Yes	SCAQMD Rule 1168
VOC content	: 27.75 g/L	USEPA Method 24
	: <1%	USEPA Method 310

FEATURES

- APEO-, Formaldehyde- and Phthalate- free
- Paintable
- 25% movement capability
- Permanently flexible
- Easy clean up

APPLICABLE TESTS / STANDARDS

- VT-220 meets the requirements of:
- ASTM C920, Type S, Grade NS, Class 25, Use NT, A & M
 - Leadership in Energy and Environmental Design (LEED) IEQ 4.1 credit
 - Low VOC Content - USEPA Method 24 and USEPA Method 310 under SCAQMD rule 1168
 - Low VOC Emission - CDPH Standard Method v1.2- 2017
 - RoHS I & II and SVHC

APPLICATION




- General sealing applications (door and window joints, cabinet and wardrobe installation, skirting of wood flooring, etc.). Suitable for various substrates (metal, PVC, wood, concrete, gypsum boards, reinforced cement boards, marble, etc.).

PREPARATION

- Substrate surface must be dry and clean; free of dirt, grease, oil, or standing water.
- For a neat finishing, use masking tape and remove it within the working time.
- For sealant designs with depth of over 10 mm, use approved backing materials.

APPLICATION DIRECTION

1. Surfaces must be clean, dry and free of dirt, grease, oil or water.
2. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. Do not use soap or detergent.
3. For a neat finish, apply masking tape and remove it before sealant skins over.
4. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge gun.
5. Tool the sealant within 15 minutes of extrusion before it skins.
6. Allow to dry for one hour before applying water-based paint and 24 hours for oil-based paint.
7. Uncured sealant can be cleaned up with damp cloth.

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Seal-All-Gaps

- CLEAN UP**
- Wet sealants can be cleaned up with water.
 - Cured sealants can only be removed mechanically.

- LIMITATIONS**
- Not recommended for following applications:
- Applied outdoors if it is likely to be rained upon within 2 hours of application.
 - Use in areas of constant water immersion.
 - Joint movement more than 10%.

CAUTION Contains a mixture of CMIT/MIT. May produce an allergic reaction. 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.