



VITAL TECHNICAL SDN. BHD.

Technical Data Sheet

VT-288 Fire Rated Duct Sealant



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VT-288 Fire Rated Duct Sealant



BASE

Water-based acrylic

SETTING TIME

24 hours depending on ambient temperature.

WORKING TIME

<10 minutes

COLOUR

Grey

PACKAGING

4.0kg pail
(4 pails/carton)
20.0kg pail
300 ml cartridges
(24 cartridges/carton)

SHELF LIFE

12 months

STORAGE

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

APPLICATION TEMPERATURE

5 °C – 50 °C

SERVICE TEMPERATURE

-10 °C – 75 °C

DESCRIPTION



VT-288 Fire Rated Duct Sealant is a fire resistive, water-based indoor/outdoor air duct sealant. It performs as a tough and flexible adhesive and sealant on the joints and seams, thereby effectively blocks the infiltration of gases, dust and other contaminants and the exfiltration of conditioned air. It is able to accommodate minor vibration and movement, stay flexible and does not crack. It has been tested to meet the requirements of UL94 HB Flammability Test. It also complies with the requirements of Leadership in Energy and Environmental Design (LEED) v4.1 EQ Credit: Low Emitting Materials.

TECHNICAL DATA

Specific gravity	: 1.53 – 1.57	
Solid content	: 79 – 81%	
Tensile strength	: >0.5 N/mm ²	ASTM D412
Elongation	: >200 %	ASTM D412
Low VOC compliance	: Yes	SCAQMD Rule #1168
VOC content	: 4.30 g/L	USEPA Method 24
Low VOC emission compliance	: Yes	CDPH v1.2

FEATURES

- Fire resistive
- Certified Green Sealant
- Low VOC and low odour
- Excellent workability
- Crack and peel resistant
- Slump resistant
- High solid content

APPLICABLE TESTS / STANDARDS

- VT-288 meets the requirements of:
- UL 94 HB. Horizontal Burning Test
 - Leadership in Energy and Environmental Design (LEED) v4.1 EQ compliant
 - Low VOC Content - USEPA Method 24 and SCAQMD Method 304-91 under SCAQMD Rule 1168
 - Low VOC Emission - CDPH Standard Method v1.2- 2017

APPLICATION

Ideal for sealing fabricated joints and seams of sheet metal air ducts, fibreglass duct board, thermal insulation, crawl space vapour barriers, house wrap, and other types of air ducts.

APPLICATION DIRECTION

Pail:

- Surfaces must be clean, dry and free of dirt, grease, oil or water.
- Apply a smooth even coat of sealant, keep brushing in the same direction. Do not apply more than 2 coats.
- The sealant should be allowed to dry for at least 2 hours if over painting is required.
- Clean tools immediately after use.

Cartridges:

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

CAUTION

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.