V-tech A member of NIPPON PAINT	**VITAL TECHNICAL SDN. BHD.** **Technical Data Sheet** **VT-286** **Water-based Duct Sealant**	ISO 9001 SGS Certificate MY12/04182 ISO 14001 SGS Certificate MY13/04310

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VT-286 Water-based Duct Sealant

APPEARANCE
Water-based acrylic

SETTING TIME
24 hours depending on ambient temperature.

WORKING TIME
<10 minutes

COLOUR
Grey

PACKAGING
4.0 kg pail
(4 pails/carton)
20.0 kg pail

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
-17 °C – 93 °C

DESCRIPTION



VT-286 is a water-based indoor/outdoor air duct sealant for sealing fabricated joints and other types of air ducts. 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 formulated to achieve mildew resistance. Excellent coverage rate can be achieved with easy brush-on application, which helps reduce installation cost. The thixotropic consistency of the sealant allows easy application by brush, trowel, hand, spray or extrusion. It is compliant with FDA 21 CFR 177.2600 (e) & (f), and Leadership in Energy and Environmental Design (LEED) v4.1 EQ Credit: Low Emitting Materials.

TECHNICAL DATA

Specific gravity	: 1.64	
Solid content	: 81.00 %	
Tensile strength	: 1.30 N/mm²	ASTM D412
Shore A Hardness	: 26	ASTM C661
Elongation	: 200 %	ASTM D412
Low VOC compliance	: Yes	SCAQMD Rule #1168
VOC content	: 14.42 g/L	USEPA Method 24
Low VOC emission compliance	: Yes	CDPH v1.2

FEATURES

- Low VOC and low odour
- Food Contact Safe
- Paintable
- Excellent workability
- Water-resistant
- Crack and peel resistant
- Slump resistant
- High solid content
- Mildew resistance

APPLICABLE TESTS / STANDARDS

VT-286 meets the requirements of:
- 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
- FDA 21 CFR 177.2600 (e) & (f).
- ASTM G21 (Antifungal)

APPLICATION

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

APPLICATION DIRECTION

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

CURING TIME

24 to 72 hours depending on humidity, application, and temperature.

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.