



May 3, 2019

## TECHNICAL DATA REPORT

See SDS for complete safety/technical data



### VAPCO PART NO.

Part Number	Size
181DS-G	1 gallon 4/cs
181-DS-GE	1 gallon 192/pallet
181-DS-W	1 gallon 4/cs
181-DS-WE	1 gallon 192/pallet
181-DS-WC	11 oz 25/cs

# 181 DUCT SEALANT

ADHESIVE/ SEALANT

## DESCRIPTION

**181 DUCT SEALANT** is a premium, professional grade WATER BASED mastic ideal for use on all types of metal duct work, flex duct and fiberglass duct board. Fiber reinforced and nonflammable in both wet and dry states, indoor or outdoor use and on low to high velocity systems.

## FEATURES AND BENEFITS

- Indoor and Outdoor
- Excellent Adhesion
- LEED EQ 4.1 Compliant
- Mold and Mildew Resistant
- Excellent Flexibility
- Low VOC

## SPECIFICATIONS

**Form:** White Caulk Material | **Odor:** Mild to No Odor | **Flammability:** Not Considered a Liquid by OSHA | **Flash Point:** > 200°F (93°C) | **Evaporation Rate:** < 0.8 (Slow) | **Specific Gravity (H2O=1):** 1.31 | **Solids:** 66% | **Solubility in Water:** Soluble | **Volatility Including Water (%):** 34% | **Volatile Organic Compounds (VOC):** 0% | **Viscosity:** 280,000 cps

## LABEL INFORMATION

**181 DUCT SEALANT** is a specially formulated fiber reinforced water-based duct sealant for indoor and outdoor use. Suitable for pressure sealing all types of HVAC duct systems including metal, fiberglass ductboard, and flex duct. **USE ON:** Metal and flexible ducts, vents, air conditioners and HVAC applications.

**DIRECTIONS:** RIGID FIBERGLASS AIR DUCT: Assemble sections to manufacturer's instructions. Apply a 3" side by 10 mil band of duct sealant to duct board. Embed a fiberglass scrim (5 mil, 20 x 10 weave) into the base coat and apply another 10 mil coat over the scrim. FLEXIBLE AIR DUCT/ METAL DUCT APPLICATION: Using a brush or putty knife, apply duct sealant at a minimum thickness of 20 mils to male section of spiral duct or to both fittings in rectangular duct. Effect joint while sealant is wet (within approximately 15 minutes) and secure with sheet metal screws applied as close to joint head as possible (approx. 1/2" or less).

Apply duct sealant to outside of assemble with a 3" band of sealant, thoroughly covering going head and sheet metal screws. Allow it to set (approx. 48-72 hours) before pressure testing system for leaks.

### Dangers: Read and understand the product's label and Safety Data Sheet.

Do not mix with strong acids. Prevent from freezing. Avoid excessive inhalation of vapors. Wash hands thoroughly after using.

**WARNING:** This product can expose you to NJTS-500078-NCD, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



PLEASE REFER TO SDS TO VIEW SPECIFIC INFORMATION REGARDING WARNING SYMBOLS AND HMIS/NFPA CODES.

## CONTAINS

**181 DUCT SEALANT CONTAINS (CAS#)** : Calcium Carbonate (1317-65-3); Aqueous Emulsion (mixture); Water (7732-18-5); Crystallin Silica (14=808-60-7); Benzoate Ester (proprietary)

## First Aid Measures

**Inhalation:** Move to fresh air. **Seek medical attention if you feel unwell.**

**Skin Contact:** Wash with plenty of water. **Seek medical attention if irritation persists.**

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **Seek medical attention if irritation persists.**

**Ingestion:** Rinse mouth with water. Do NOT induce vomiting. **Seek medical attention.**

## Precautions

Do NOT handle or use this product until all safety precautions have been read and understood. Keep out of the reach of children. Provide general, adequate ventilation. If used as a spray or airborne, respirator may be needed. Wear safety glasses. Wash hands thoroughly after handling.

## Storage

**Keep out of reach of children.** Store in a cool, dry area away from extremes of temperature. Keep container tightly sealed when not in use.

## In Case of Fire

Use media appropriate for fire's fuel source. Not usually needed as product does not readily support combustion. Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

## Disposal

Dispose of in accordance with federal, state, and local regulations. Materials should be recycled when possible. Waste may be regulated, may be landfilled at approved facility. Product should be fully characterized prior to disposal.