



PART NUMBERS

319025 5-Gallon Pail

TECHNICAL DATA

Color	Blue (wet), Dark Blue (dry)
Base	Synthetic polymer
Solvent	Water
Weight per Gallon	11.3 +/- .5 lbs. (5.126 +/- .226 kg)
Solids Content	67% +/- 2
Viscosity	60,000 – 70,000 cps
Coverage (per gal.)	Approximately 64 Sq.Ft.
Flexibility	Passes ¼ in. mandrel bend @ -25°F (-31.6°C)
Time to Test	48 hours*
Service Temperature	-20°F to 200°F (28.8°C to 93.3°C)
Water Resistance	Excellent
Mildew Resistance	Mold & Mildew resistant
VOC	Exempt: 0 g/l Non-Exempt: 48g/l (less water)
Pressure Classes	SMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.
Seal Classes	SMACNA A, B, C
Packaging	5 gallon (18.9 liter) pails
Freeze/Thaw Stability	Passed 5 Cycles
Specifications Compliance	Passes ASTM C-731, ASTM D-2202. Tested and approved against the materials criteria of USDA and FSIS (Food safety and Inspection Service) for FDA approval. US EPA and NSF/ANSI Standard 61 allowable levels. USDA, EPA and FDA Approved. City of Los Angeles Approval RR#8069. Michigan Dept. of Quality criteria (Part 201/213 Acceptable Indoor Air Concentration). Meets UL-181. LEED compliant SCAQMD Rule 1168.

*May vary according to temperature and humidity

PRECAUTIONS

Surface must be clean and free of moisture, contamination and foreign matter. Do not allow this product to freeze. Apply when temperatures will not fall below freezing for at least 36-48 hours, depending on temperature and humidity. Do not apply this product where temperatures will exceed 200°F. Keep out of the reach of children. Review MSDS for complete safety information prior to use. DO NOT use where acidic or alkaline chemicals are present (ie., lab fume hood, vents, etc.)

For Industrial Professional Use Only.

RS-100 is a water based, robotically applied, spray sealant engineered to seal joints and seams from the inside of the HVAC ductwork. The Superior physical Properties of this sealant meet and exceed all SMACNA pressure classes while it's flexibility allows for system vibration without cracking.

APPLICATION

Temperature	40°F to 110°F (4.4°C to 38°C)
Method	Spray applied in HVAC Robotics
Preparation	Clean and remove all dust and loose particulate from ductwork. Follow duct manufacturer's instructions for proper cleaning.
Rate	Apply 20-30 mil thick wet film
Clean Up Wet	Soap and water
Clean Up Dry	UN-TACK™ or Solvent (Use safe handling practices)

STORAGE

Temperature	35°F to 110°F (1.7°C to 44°C) DO NOT FREEZE
Shelf Life	One year (unopened)
Flammability	Non-flammable

PHYSICAL PROPERTIES

Property	Test Method	Results
Fungus Resistance	ASTM D-5590	No Growth
Tensile Strength	ASTM 412	175 psi
Low Temp Crack Bridging	ASTM 1305	Pass @ 0° F
Low Temp Flexibility	ASTM 1970	Pass @ -5° F

CLASSIFIED
UL **US**

CAULKING AND SEALANTS
94PF

SURFACE BURNING CHARACTERISTICS
FLAME SPREAD..... 0
SMOKE DEVELOPED..... 0

*Applied to inorganic reinforced Cement Board *Tested as applied in one 3 in. (76.2 mm) wide strip, on center covering 16.7 percent of the exposed test sample area) at a coverage of 80 sq. ft/ gal (2 sq. M/L). Flash point of finished sealant, closed cup : No flash to boiling.

UL
LISTED

17NF
UL 181B-M

Mastic closure systems for use with flexible duct systems or connectors.

