



PART NUMBERS


319025	5-Gallon Pail
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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 75 Sq. Ft. Per Gallon @ 20 Mil Thickness
Flexibility	Passes ¼ in. mandrel bend @ -25°F (-31.6°C)
Time to Test	20 Mils – 30 Minutes 30 Mils – 60 Minutes The material will not transfer when touched but will indent with pressure. Dry time will vary on the thickness, temperature, air flow and humidity. Above times are based upon average temperature and humidity. Dry Through: 24 to 48 hours.
Service Temperature	-20°F to 200°F (28.8°C to 93.3°C)
Water Resistance	Excellent
Microbial/Mildew Resistance	Sealant or coating will resist microbial growth on its surface.
VOC	Exempt: 0 g/l Non-Exempt: 48 g/l (less water)
Pressure Classes	SMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.
Seal Class	Meets Seal Class A
Packaging	5 gallon (18.9 liter) pails
Freeze/Thaw Stability	Passed 5 Cycles

*May vary according to temperature and humidity

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.	

	17NF
	UL 181B-M
Mastic closure systems for use with flexible duct systems or connectors.	

RS-100 is a water based, spray sealant engineered to seal joints, penetrations and seams from inside of the HVAC ductwork. The superior physical properties of this non-tack sealant will meet and exceed the SMACNA pressure classes and its flexibility allows for the system operation without cracking. RS-100 sealant is formulated with EPA registered chemicals to resist microbial growth on the surface of the sealant.

APPLICATION

Temperature	40°F to 110°F (4.4°C to 44°C)
Method	Spray applied in HVAC Robotics, airless sprayer or paint brush.
Preparation	Clean and remove all dust and loose particulate from ductwork. Follow duct manufacturer's instructions for proper cleaning.
Rate	Coverage at joints, seams and penetrations would be a minimum of 20 mils.
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

SPECIFICATION/STANDARDS COMPLIANCE

Property	Method	Results
Fungus Resistance	ASTM D-5590	No Growth
Tensile Strength	ASTM 412	175 psi
Pull Off Strength	ASTM D4541	> 30 psi*
Low Temp Crack Bridging	ASTM 1305	Pass @ 0° F
Low Temp Flexibility	ASTM 1970	Pass @ -5° F
Freeze Thaw & Heat Cycling	ASTM C-731	Pass
Slump Test	ASTM D-2202	Pass
VOC Limitation	SCAQMD Rule 1168	Pass

NSF Nonfood Compound Registration FDA21 CFR Program R2 Category
NSF Registration #147695 – dark blue

*Tested on CMU, under the Carlisle Tradename Barritech VP

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 (i.e., lab fume hood, vents, etc.)

For Industrial Professional Use Only.