





# VERSA-GRIP<sup>™</sup> 181 Premium Indoor/Outdoor Water Based Duct Sealant

**PART NUMBERS** 

304141	1 Case w/ (25) 11 oz. Cartridges (White)
305056	1 Case w/ (25) 11 oz. Cartridges (Gray)
304138	1 Case w/ (4) 1-Gallon Pails (White)
305057	1 Case w/ (4) 1-Gallon Pails (Gray)
304139	1 - 2-Gallon Pail (White)
305058	1 - 2-Gallon Pail (Gray)
304140	1 - 5-Gallon Pail (White)
305059	1 - 5-Gallon Pail (Gray)

#### **TECHNICAL DATA**

ColorWhite & GrayConsistencyHeavy texturedBaseSynthetic latexSolventWaterWeight per Gallon11.6 lbs.Solids Content73.4%ViscosityThixotropicCoverage (UL 181 A-M)Apply 18 mil, scrim, addt. 18 milCoverage (UL 181 B-M)Approximately 214 to 320 lin. ft. per gal. at 20 to 30 mil wet film thickness at 3" widthShore A Hardness>20FlexibilityPasses ¼ inch mandrel bendTime to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ¼, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles*May vary according to temperature and humidity		
BaseSynthetic latexSolventWaterWeight per Gallon11.6 lbs.Solids Content73.4%ViscosityThixotropicCoverage (UL 181 A-M)Apply 18 mil, scrim, addt. 18 milCoverage (UL 181 B-M)Approximately 214 to 320 lin. ft. per gal. at 20 to 30 mil wet film thickness at 3" widthShore A Hardness>20FlexibilityPasses ¼ inch mandrel bendTime to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ¼, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Color	White & Gray
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ViscosityThixotropicCoverage (UL 181 A-M)Apply 18 mil, scrim, addt. 18 milCoverage (UL 181 B-M)Approximately 214 to 320 lin. ft. per gal. at 20 to 30 mil wet film thickness at 3" widthShore A Hardness>20FlexibilityPasses 1¼ inch mandrel bendTime to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Weight per Gallon	11.6 lbs.
Coverage (UL 181 A-M)Apply 18 mil, scrim, addt. 18 milCoverage (UL 181 B-M)Approximately 214 to 320 lin. ft. per gal. at 20 to 30 mil wet film thickness at 3" widthShore A Hardness>20FlexibilityPasses 1/4 inch mandrel bendTime to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA 1/2, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Solids Content	73.4%
Coverage (UL 181 B-M)Approximately 214 to 320 lin. ft. per gal. at 20 to 30 mil wet film thickness at 3" widthShore A Hardness>20FlexibilityPasses 1/4 inch mandrel bendTime to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Viscosity	Thixotropic
Coverage (OL 181 B-M)20 to 30 mil wet film thickness at 3" widthShore A Hardness>20FlexibilityPasses 1¼ inch mandrel bendTime to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Coverage (UL 181 A-M)	Apply 18 mil, scrim, addt. 18 mil
FlexibilityPasses ¼ inch mandrel bendTime to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Coverage (UL 181 B-M)	
Time to Test48 hours*Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Shore A Hardness	>20
Service Temperature-20°F to 200°FMildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Flexibility	Passes 1/4 inch mandrel bend
Mildew ResistanceMold & Mildew resistantVOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Time to Test	48 hours*
VOC29 g/l (less water)Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Service Temperature	-20°F to 200°F
Surface BurningFlame Spread - 0, Smoke Developed - 0 (When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Mildew Resistance	Mold & Mildew resistant
Surface Burning(When tested in accordance with ASTM E84, UL 723)Pressure ClassesSMACNA ½, 1, 2, 3, 4, 6 and 10 inches w.g.Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	VOC	29 g/l (less water)
Seal ClassesSMACNA A, B, CPackaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Surface Burning	
Packaging11 oz. cart.; 1, 2 & 5 gal. pailsFreeze/Thaw StabilityPassed 5 Cycles	Pressure Classes	SMACNA 1/2 , 1, 2, 3, 4, 6 and 10 inches w.g.
Freeze/Thaw Stability Passed 5 Cycles	Seal Classes	SMACNA A, B, C
5	Packaging	11 oz. cart.; 1, 2 & 5 gal. pails
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## SPECIFICATION/STANDARDS COMPLIANCE

Property	Method	Results
Freeze Thaw & Heat Cycling	ASTM C-731	Pass
Slump Test	ASTM D-2202	Pass
VOC Limitation	SCAQMD Rule 1168	Pass
Extractant Testing	NSF	Pass
Compounds for use in Construction of Federally Inspected Meat & Poultry Plants	FSIS	Pass
Acceptable Indoor Air Concentrations	Michigan Department of Quality Criteria (Part 201/213)	Pass
	US EPA	Pass
	NSF/AWSI Standard 61	Pass
	USDA	Pass
	FDA	Pass

VERSA-GRIP 181 is a premium grade, versatile, all purpose duct sealant for use on all types of metal duct, glass fiber duct board, and flex duct, as well as duct fabric and flexible tubing runouts. VERSA-GRIP incorporates a built-in fiber reinforcement for exceptional strength, with UV inhibitors for outdoor use. UL 181A-M listed / UL 181B-M listed.

### **APPLICATION**

Temperature	35°F to 110°F (1.7°C to 44°C)
Method	Brush, putty knife, caulk gun, pump
Preparation	Surface must be dry, dirt, oil, and grease free.
Rate (UL 181 A-M)	Apply 18 mil, scrim and 18 mil over scrim.
Rate (UL 181 B-M)	Approx. 214 to 320 lin. ft. per gal. at 20 to 30 mil wet film thickness at 3" width.
Clean Up Wet	Soap and water
Clean Up Dry	UN-TACK™ or Solvent (Use safe handling practices.)
Painting	Only latex or epoxy paints
Ductboard	Scrim required for UL 181A-M
STORAGE	
Temperature	35°F to 110°F (1.7°C to 44°C) DO NOT FREEZE
Shelf Life	One year (unopened)
Flammability	Non-flammable



AIR DUCTS OR CONNECTORS

City of Los Angeles Approval RR#8427



#### 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.

USA: 900 Hensley Lane, Wylie, TX 75098 • (800) 527-7092 | Canada: 2100 Remembrance Road, Lachine, QC H8S 1X3 • (800) 544-5535 www.carlislehvac.com