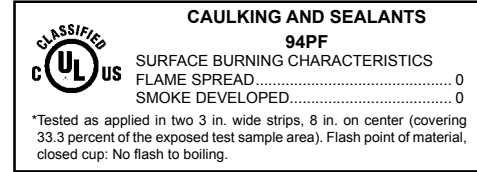
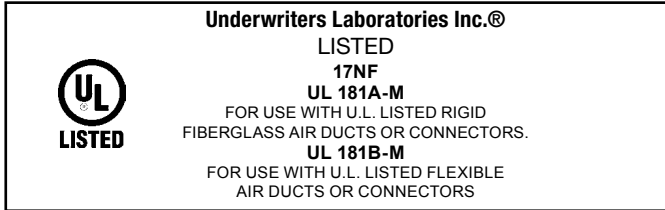


## OVERVIEW

A versatile, all purpose duct sealant for use on all types of metal duct, fiberglass duct board, duct fabric and flex duct. CCWI-181 incorporates a built-in polyester reinforcement for exceptional strength and UV inhibitors for outdoor use.



## PART NUMBERS

| Property | Product Description                      |
|----------|--|
| 304146   | 1 Case w/ (25) 11-oz. Cartridges (Gray)  |
| 304148   | 1 Case w/ (4) 1-Gallon Pails (Gray)      |
| 304147   | (1) 2-Gallon Pail (Gray)                 |
| 304142   | 1 Case w/ (25) 11-oz. Cartridges (White) |
| 304144   | 1 Case w/ (4) 1-Gallon Pails (White)     |
| 304143   | (1) 2-Gallon Pail (White)                |
| 304145   | (1) 5-Gallon Pail (White)                |

## SPECIFICATION/STANDARDS COMPLIANCE

| Property          | Method   | Results  |
|-------------------|--|--|
| NFPA              | 90A & 90B  | Meets requirement of Class 0                   |
| VOC               | EPA Method #24   | Exempt: 0 g/l, Non-exempt: 38 g/l (less water) |
| GREENGUARD        | UL 2818  | GREENGUARD Certified                           |
| Pressure Test     | Independent 24 Hour Test up to 1/8" Diameter                       | 16" w.c.                                       |
| Dry Time*         | ASTM D1640 (Humidity 50% +/- 5%, Temp 73°F +/- 3°F (23°C +/- 2°C)) | 24 hours                                       |
| Fungus Resistance | ASTM G21   | Pass   |
| Water Resistance  | CSTM. RA 8.0   | Pass   |

\*Note: May vary according to temperature, humidity, and application thickness.

## FEATURES AND BENEFITS

- Meets CDPH Emissions Requirements
- LEED V4 Qualified
- Passes SCAQMD Rule 1168
- Made in the USA



- True zero and low-VOC products are resistant to mold, mildew, and fungi
- Properly installed and sealed systems promote optimal indoor air quality



- Hardcast's line of water-based duct sealants and coatings have been awarded GREENGUARD Certification (UL 2818)
- GREENGUARD Gold certified products meet the strictest chemical emission limits to account for sensitive individuals and ensure products are acceptable for schools and healthcare facilities

### TYPICAL PROPERTIES AND CHARACTERISTICS

|                          |   |
|--------------------------|---|
| Color                    | Gray & White  |
| Consistency              | Heavy brush-on  |
| Base                     | Synthetic latex   |
| Solvent                  | Water   |
| Weight (per gallon)      | 11.6 lbs +/- .5 lbs (5.26 kg +/- .23 kg)                                  |
| Solids Content           | 73% +/- 2%  |
| Viscosity                | >300K cps   |
| Coverage (per gallon)    | Up to 320 lin. ft. at 3" width,<br>20-mil thickness (80 ft <sup>2</sup> ) |
| Coverage (per cartridge) | Up to 130 lin. ft. at 1/8" bead (16.25 ft <sup>2</sup> )                  |
| Shore A Hardness         | > 20  |
| Flexibility              | Passes 1/4" mandrel bend test   |
| Time to Test*            | 24 hours (Humidity 50% +/- 5%,<br>Temp 73°F +/- 3°F (23°C +/- 2°C))       |
| Dry Time to Touch*       | 1-2 hours (Humidity 50% +/- 5%,<br>Temp 73°F +/- 3°F (23°C +/- 2°C))      |
| Service Temperature      | -20° - 200°F (-28.8° - 93.3°C)  |
| Mildew Resistance        | Mold and mildew resistant   |
| Seal Class               | Meets Seal Class A  |
| Freeze/Thaw Stability    | Passes 5 cycles   |
| Slump Test               | Pass (ASTM D2202)   |

\*Note: May vary according to temperature, humidity, and application thickness.

### PRECAUTIONS

Do not allow this product to freeze. Apply when temperatures will not fall below freezing for at least 36-48 hours. Do not apply this product where temperatures will exceed 200°F (93.3°C). Duct sealant applied in the interior duct must be dry prior to applying duct protection film. Keep out of the reach of children. Review Safety Data Sheet 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.**



### APPLICATION

|                  |  |
|------------------|--|
| Temperature      | 35° - 110°F (1.7° - 44°C). Keep at 70°F prior to use and for optimum performance. If product temperature falls below 70°F, move it to a warm area until optimum performance is achieved. |
| Method           | Apply using a chip brush, putty knife, or caulk gun at transverse joints, longitudinal seams, and any duct wall penetration.   |
| Preparation      | Surface must be dry and free of dirt, oil, moisture, and grease.   |
| Rate (UL 181A-M) | Apply approximately 18 wet film thickness, embed Hardcast scrim (AB-151), then an additional 18 wet film thickness   |
| Rate (UL 181B-M) | Pail: 20- to 30-mil wet film thickness at 3" wide, Cartridge: bead that completely covers joint  |
| Clean Up Wet     | Soap and water   |
| Clean Up Dry     | Low-VOC UN-TACK™ Cleaner/Adhesive Remover, petroleum solvents, or mineral spirits  |
| Painting         | Allow 72 hours cure time. Use only latex or epoxy paints.  |

### STORAGE

|              |                           |
|--------------|---------------------------|
| Temperature  | 35° - 110°F (1.7° - 44°C) |
| Shelf Life   | One year (unopened)       |
| Flammability | Non-flammable             |

### LEED®

|                                  |                          |
|----------------------------------|--------------------------|
| Post-Industrial Recycled Content | 0%                       |
| Pre-consumer Recycled Content    | 0%                       |
| Total VOC                        | ≤ 0.50 mg/m <sup>3</sup> |
| Manufacturing Location(s)        | Wylie, TX                |



**CONTRACTORS GET REWARDED**

CarlisleHVACRewards.com



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