# CARLISLE
## HVAC PRODUCTS

# Product Guide



**Sealants | Rolled Sealants | Adhesives | Restoration Products | Silicones**
**Line Set Protection Solutions | Duct Hardware & Nexus Flange | Accessories**

**HARDCAST**
DUCT SEALANTS & INSULATION ADHESIVES

**DYN AIR**
DUCT HARDWARE & NEXUS FLANGE

## Carlisle HVAC Products

As a leading pioneer in the HVAC sealant industry, Carlisle HVAC's products are contractor approved, award winning and backed by a warranty you can trust. Carlisle HVAC encompasses the Hardcast brand of Duct Sealants and Adhesives, the DynAir brand of Duct Hardware, and Nexus Duct Flange Connecting System. Carlisle HVAC manufactures its products to exceed the highest performance and quality standards. Hardcast duct sealing and DynAir airflow management solutions ensure that your HVAC system ductwork complies with the latest codes. The sealing of ductwork, adequate airflow and proper air exchange in a facility is critical to its health, comfort and performance. Carlisle HVAC helps you meet these requirements by providing not only the longest lasting duct sealing options but also the best airflow management hardware. Ask us how we can help you make your HVAC system perform at peak efficiency.

## Iron-Grip® 601

Iron-Grip 601 is a premium, all purpose, fiber-free, water-based duct sealant for use on all types of metal duct, and flex duct, as well as duct fabric and flexible tubing runouts. Distinguished by its ability to accommodate minor vibration and movement, Iron-Grip stays flexible to save call-back labor. Iron-Grip's high viscosity ensures maintaining a 20-30 Wet Mil thickness. Iron-Grip 601 is UL 181 B-M Listed, passes ASTM C-731, ASTM C-732, ASTM D-2202, USDA, EPA and FDA Approved, LEED compliant SCAQMD Rule 1168, US Dept of Homeland Security Approval, and City of Los Angeles Approval RR #8069.

**Contributes to LEED® Credit Requirements**

### Part Numbers:

| | |
|---|---|
| 304137 | 1 Case with (25) 11-oz. Cartridges |
| 304135 | 1 Case with (4) 1-Gallon Pails |

## Versa-Grip™ 181

Versa-Grip 181 is a premium grade, versatile all purpose, water-based 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 181 incorporates a built-in fiber reinforcement for exceptional strength, with UV inhibitors for outdoor use. Versa-Grip 181 is UL 181A-M & UL181B-M Listed, passes ASTM C-731, ASTM C-732, D-2202, USDA, EPA & FDA Approved, LEED compliant SCAQMD Rule 1168, and City of Los Angeles Approval RR #8427.

**Contributes to LEED® Credit Requirements**

### 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) |

## Flex-Grip™ 550

Flex-Grip 550 is a water-based, all-purpose, fiber-free, duct sealant for use on all types of metal duct, and flex duct, as well as duct fabric and flexible tubing runouts. Flex-Grip 550's physical property characteristics enable it to maintain an effective seal during countless system cycling. Flex-Grip 550's excellent coverage rates and easy brush-on application provide low installed cost. Flex-Grip 550 is UL 181 B-M Listed, Passes ASTM C-731, ASTM D-2202, USDA, EPA and FDA Approved, and LEED compliant SCAQMD Rule 1168, and City of Los Angeles Approval RR #8069.

**Contributes to LEED® Credit Requirements**

### Part Numbers:

| | |
|---|---|
| 304134 | 1 Case w/ (25) 11-oz. Cartridges (Gray) |
| 304132 | 1 Case w/ (4) 1-Gallon Pails (Gray) |
| 326422 | 1 Case w/ (4) 1 Gallon Pails (White) |

## Duct-Seal™ 321

Duct-Seal 321 is an all-purpose industrial grade duct sealant for all types of metal duct, and flex duct. It includes UV inhibitors for extended outdoor exposure and built-in fiber reinforcement for added strength. This non-toxic water-based product is suitable for residential and commercial use. The medium range viscosity enables workability into joints and seams. Duct-Seal 321 is UL 181 B-M Listed, passes ASTM D-2202, ASTM C-731, ASTM C-732, USDA, EPA and FDA Approved, LEED compliant SCAQMD Rule 1168, US Dept of Homeland Security Approval, and City of Los Angeles Approval RR #8069.

**Contributes to LEED® Credit Requirements**

### Part Numbers:

| | |
|---|---|
| 304159 | 1 Case w/ (25) 11-oz. Cartridges |
| 304156 | 1 Case w/ (4) 1-Gallon Pails |
| 304158 | 1 5-Gallon Pail |

## CCWI-181

CCWI-181 is a versatile, all-purpose, water-based 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. CCWI-181 incorporates a built-in polyester reinforcement for exceptional strength, with UV inhibitors for outdoor use. CCWI-181 is UL 181A-M & UL181B-M Listed, and City of Los Angeles Approval RR #8427.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

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

## Metalbond

SoudaSeal Metalbond is a solvent free, moisture curing, high quality single component HVAC duct sealant for all types of metal ducts.This high performance product is engineered for a wide range of sealing and bonding applications. It is based on MS-Polymer®.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 310535 | 1 - 1-Gallon Pail |

## Sure-Grip™ 404

Sure-Grip 404 is a fiber-free, solvent-based, synthetic-rubber, duct sealant. Its exceptional strength, fast drying time, and unmatched flexibility make it ideal for applications requiring a solvent-based sealant. Sure-Grip's high-viscosity, no-drip, no-string formulation allows fast application for labor savings and extended coverage for reduced cost.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 302014 | 1 case w/(25) 11-oz. cartridges |
| 302009 | 1 case w/(4) 1-gallon pails |
| 302020 | (1) 5-gallon pail |

## Versa-Grip™ 102

Versa-Grip 102 is a general-purpose, water-based duct sealant for use on all types of fiberglass duct board and flex duct, as well as fabric and flexible tubing runouts. Versa-Grip incorporates a built-in fiber reinforcement for exceptional strength and even includes UV inhibitors for extended outdoor exposure.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 304152 | 1 case w/(25) 11-oz. cartridges (white) |
| 304153 | 1 case w/(4) 1-gallon pails (white) |
| 304155 | 1 - 2-gallon pail (white) |

## Spray-Seal™

Spray-Seal is an all-purpose, high performance, sprayable, water-based duct sealant for use on all types of metal duct, duct fabric and flex duct. Distinguished by its ability to accommodate minor vibration and movement, Spray-Seal stays flexible and will not crack. Spray-Seal decreases labor substantially and increases productivity while using less material. Recommended installation: Spray with airless spray equipment using a minimum .111 spray tip. Apply at 20 to 30 wet mils film thickness. Apply to joints, seams and fasteners. Spray-Seal is UL-181 B-M Listed, passes ASTM C-731, ASTM C-732, ASTM D-2202, LEED compliant SCAQMD Rule 1168, and US Dept. of Homeland Security Approval.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 304133 | 1 - 5-gallon pail |
| 305437 | 1 - 50-gallon drum |

**True Zero VOC**

## Don't just tape it – Seal it

### Foil-Grip™ 1402 Printed/Unprinted

Foil-Grip 1402 is a pressure sensitive, 40-year cycle, duct joint and general purpose rolled mastic sealant. It provides an instant water-resistant grip to most surfaces including sheet metal, duct board, flex board, PVC coated duct, and duct wrap vapor barriers. Foil-Grip 1402 is suitable for sub-grade application on PVC coated duct. Thickness: 17 Mils, Tensile Strength: 955 psi avg, Sealant Material: Modified Butyl, LEED compliant SCAQMD Rule 1168.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 304093 | 1 Case w/ (24) 2" x 100' Rolls (Non-printed) |
| 304094 | 1 Case w/ (16) 3" x 100' Rolls (Non-printed) |
| 304095 | 1 Case w/ (12) 4" x 100' Rolls (Non-printed) |
| 304096 | 1 Case w/ (8) 6" x 100' Rolls (Non-printed) |
| 304083 | 1 Roll 36" x 100' (Non-printed) |
| 304099 | 1 Case w/ (24) 2" x 100' Rolls (Printed) |
| 304100 | 1 Case w/ (16) 3" x 100' Rolls (Printed) |

### Foil-Grip™ 1403-181BFX

Foil-Grip 1403-181BFXis a UL 181B-FX listed pressure sensitive, 40-year cycle, duct joint and general purpose rolled mastic sealant. Foil-Grip1403-181BFX provides an instant water resistant grip to most surfaces including sheet metal, duct board, flex duct, PVC coated duct, and duct wrap vapor barriers. Foil-Grip 1403-181BFX is suitable for subgrade application on PVC coated duct and is ideal for replacement applications.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 309781 | 1 Case w/ (24) 2" x 100' Rolls |
| 309780 | 1 Case w/ (16) 3" x 100' Rolls |

### Foil-Grip™ 1404-181BFX

Foil-Grip 1404-181BFX is a UL 181BFX listed pressures sensitive rolled mastic sealant It has superior tack for instant grab strength to galvanized metal, flex duct, PVC coated pipe, and PVC coated ductwork for an immediate airtight bond. The foil facer provides excellent UV resistance coupled with the butyl adhesive composite's outstanding water resistance. The easy tear provides a fast installation for airtight seals on above- and below-grade ductwork applications.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 325803 | 1 Case w/ (24) 2" x 100' Rolls |
| 325804 | 1 Case w/ (16) 3" x 100' Rolls |
| 325805 | 1 Case w/ (12) 4" x 100' Rolls |

### Aluma-Grip™ AFT-701

Aluma-Grip AFT-701 is a heavy-duty, pressure-sensitive, 40-year-cycle, duct joint rolled sealant. AFT-701 provides an aggressive water-resistant grip to most surfaces including sheet metal, duct board, flex duct, PVC-coated duct, and duct wrap vapor barriers. AFT-701 is also suitable for subgrade application on PVC-coated duct.

**Part Numbers:**

**Contributes to LEED® Credit Requirements**

| | |
|---|---|
| 304078 | 1 Case w/ (24) 2" x 50' Rolls |
| 304079 | 1 Case w/ (16) 3" x 50' Rolls |
| 304080 | 1 Case w/ (12) 4" x 50' Rolls |
| 304081 | 1 Case w/ (8) 6" x 50' Rolls |
| 304082 | 1 Case w/ (4) 9" x 50' Rolls |
| 304077 | 1 Case w/ (4) 12" x 50' Rolls |

### TGM-3300

TGM-3300 consists of a butyl-based material sandwiched between two release liners, and is capable of bonding a variety of materials together. TGM-3300 offers an aggressive grip and remains flexible during application, ensuring immediate adhesion and long-term performance. Ideal for metal, plastics and certain fabrics, TGM-3300 is also pressure-sensitive, allowing for clean, easy application. Thickness: 32 mils Tensile Strength: 445 psi average Adhesive: THE GRAY MATTER elastomeric modified butyl rubber.

**Contributes to LEED® Credit Requirements**

**Part Numbers:**

| | |
|---|---|
| 304259 | TGM-3300-GRAY-2" X 50' 24 RLS |
| 304260 | TGM-3300-GRAY-3" X 50' 16 RLS |
| 304261 | TGM-3300-GRAY-4" X 50' 12 RLS |
| 304262 | TGM-3300-GRAY-6" X 50' 8 RLS |
| 304983 | TGM-3300-GRAY-12" X 50' 4 RLS |

## Coil-Tack™

Coil-Tack is a low-tack, nonflammable, water-based insulation adhesive engineered for spray or extruding coil line applications. The low viscosity, low-suspended solid eliminates clogging within the adhesive delivery system, ensuring consistent operation. Coil-Tack's exceptional coverage and easy cleanup reduces application cost.

Contributes to
**LEED®**
Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 308582 | 1 5-Gallon Pails (Black) |
| 308580 | 1 5-Gallon Pail (White) |
| 308581 | 1 50-Gallon Drum (White) |
| 308584 | 1 50-Gallon Drum (Black) |

## Roto-Tack™

Roto-Tack is a mid-tack, nonflammable, water-based insulation adhesive engineered for mechanical roll coating systems that rapidly apply adhesive to insulation prior to bonding to the sheet metal bonding. Roto-Tack minimizes application cost, offering exceptional versatility, low viscosity, low suspended solids and easy cleanup.

Contributes to
**LEED®**
Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 308574 | 1 5-Gallon Pail (Clear) |
| 308573 | 1 50-Gallon Drum (Clear) |

## Speed-Tack™

Speed-Tack is a fast-tack, water-based insulation adhesive engineered for fast-tacking spray applications where a quick, strong tack is needed. Speed-Tack's tack-time rivals that of solvent-based adhesives. It offers exceptional strength, low viscosity, great coverage and low suspended solids.

Contributes to
**LEED®**
Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 308589 | 1 5-Gallon Pail (Cream) |
| 308590 | 1 50-Gallon Drum (Cream) |

## Edge Sealer

Edge Sealer is engineered to coat the cut ends of fiberglass duct liner, wrapped insulation, rigid fiberglass duct board and foam insulation. Edge Sealer's exceptional spray pattern provides complete coverage and encapsulation of exposed insulation.

**Part Numbers:**

| | |
|---|---|
| 323822 | 1 Case w/ (12) 14-oz Spray Cans (Black) |

## Travel-Tack™

Travel-Tack is a self-contained, instant-tacking portable spray system engineered to deliver a low-pressure web spray that eliminates adhesive vaporization and over-spray. Travel-Tack's portability, limited equipment clean-up and low equipment cost make this adhesive ideal for shop or field use. Travel-Tack is LEED, Compliant SCAQMD Rule 1168, ASTM C916, and City of Los Angeles Approval RR #8069.

Contributes to
**LEED®**
Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 308600 | 1 #12 cylinder (green) |
| 308602 | 1 #40 cylinder (green) |
| 308603 | 1 #187 cylinder (green) |
| 308604 | 1 #375 cylinder (green) |
| 308599 | 1 case w/(12) 12-oz. spray cans |

## Non-Flam Travel-Tack

Non-Flam Travel-Tack is a self-contained, instant-tacking portable spray system with a non-flammable propellant engineered to deliver a web spray pattern. It's portability, limited equipment clean-up, and low equipment cost make this adhesive ideal for shop or field use.

Contributes to
**LEED®**
Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 323821 | 1 #40 cylinder (blue-green) |

## Low-VOC Travel-Tack™

Low-VOC Travel-Tack is a self-contained, instant-tacking portable spray system engineered to deliver a low-pressure web spray that eliminates adhesive vaporization and over-spray. Travel-Tack's portability, limited equipment clean-up and low equipment cost make this adhesive ideal for shop or field use. Low-VOC Travel-Tack is also LEED Compliant, SCAQMD Rule 1168, ASTM C916 and City of Los Angeles Approval RR #8069.



Contributes to
**LEED®**
Credit Requirements

### Part Numbers:

| 308605 | #40 cylinder (clear) |
|---|---|

## Non-Flam Tack

Non-Flam Tack is a fast-drying, solvent based, non-flammable insulation adhesive designed to provide enhanced coverage, quick application and minimal cost for spray booth applications in high-humidity environments.



Contributes to
**LEED®**
Credit Requirements

### Part Numbers:

| 317462 | 1 50-gallon drum |
|---|---|

## Booth-Tack™

Booth-Tack is a quick-tack, antimicrobial, nonflammable, water-based insulation adhesive engineered for spray booth applications and offers high strength, low viscosity, great coverage and low suspended solids. It is used in situations when duct insulation is promptly secured by an insulation fastener or the duct section is stored horizontally until the adhesive is dry. Booth-Tack is UL723 listed, passes ASTM C916 and SCAQMD 1168, can contribute toward LEED credits, and has the City of Los Angeles Approval RR #8069.



Contributes to
**LEED®**
Credit Requirements

### Part Numbers:

| 308585 | 1 5-gallon pail (black) |
|---|---|
| 308587 | 1 50-gallon drum (black) |

## Insta-Tack™

Insta-Tack is an instant-tack, solvent-based insulation adhesive engineered for spray booth applications. Insta-Tack's exceptional coverage and fast-tack provides reduced labor and lower application cost. It is UL 723 listed and passes ASTM C916.



### Part Numbers:

| 308591 | 1 case w/(4) 1-gallon pails (red) |
|---|---|
| 308592 | 1 5-gallon pail (red) |
| 308593 | 1 50-gallon drum (red) |

## Insta-Tack LV

Insta-Tack LV is an instant-tack, solvent-based insulation adhesive specifically designed to provide exceptional coverage and quick application in high-humidity environments. It is ideal for spray booth applications when the duct section is stored vertically or horizontally before pinning.



Contributes to
**LEED®**
Credit Requirements

### Part Numbers:

| 316785 | 1 case w/(4) 1-gallon pails (red) |
|---|---|
| 316786 | 1 5-gallon pail (red) |
| 316787 | 1 50-gallon drum (red) |

## Dyn-O-Tac II™

Dyn-O-Tac II is a non-flammable, water-based insulation adhesive engineered for coil line applications and has been developed to eliminate clogging within the adhesive delivery system, ensuring consistent operation and providing exceptional coverage while reducing application time.



### Part Numbers:

| 304072 | 1 case w/(4) 1-gallon pails |
|---|---|

## Un-Tack™

Un-Tack Adhesive Remover & Cleaner is designed to remove Travel-Tack spray adhesives from a variety of surfaces including metals, vinyl, plastics, most fabrics, rubber and glass. Un-Tack also helps remove damaged and improperly installed insulation and other materials. This product will also remove most other adhesives and contact cements. It will help prepare surfaces for application of Hardcast rolled sealants and butyl tapes and other adhesives. It will also help remove Hardcast rolled sealants, butyl tape & other tape adhesives.



### Part Numbers:

| 308607 | UN-TACK #8 CYLINDER |
|---|---|

**HARDCAST**
DUCT SEALANTS & INSULATION ADHESIVES | **We Are Hardcast**

## RE-500

RE-500 is a high-performance, spray-applied insulation encapsulant and coating for use inside the HVAC ductwork. RE-500 coating is formulated with EPA registered chemicals to resist microbial growth on the surface of the coating. At 13 g/l, this low VOC coating is ideal for critical projects such as hospital and schools. The semi-gloss finish provides a non-stick surface that will inhibit fiberglass degradation and debris accumulation that could lead to mold and mildew growth.



Contributes to **LEED®** Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 319024 | RE-500 BLACK 1-5 GAL |
| 319023 | RE-500 WHITE 1-5 GAL |

## RS-100

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.



Contributes to **LEED®** Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 319025 | RS 100 1-5 GAL |

## Seal-Tack™

Seal-Tack is engineered to seal cut ends of fibrous glass duct liner or to coat foam insulation. It provides exceptional vapor barrier characteristics for liquid chiller piping insulation applications. Seal-Tack's exceptional strength and weather resistance provide application flexibility for both indoor and outdoor use.



Contributes to **LEED®** Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 308609 | 1 Case w/ (4) 1-Gallon Pails (White) |
| 308608 | 1 5-Gallon Pail (White) |
| 318903 | 1 Case w/ (4) 1-Gallon Pails (Black) |
| 318902 | 1 5-Gallon Pail (Black) |

## TPO Line Set Wrap

The TPO rolled mastic sealant is a 6.5 mil TPO membrane laminated to a butyl adhesive sealant to form a 22 mil composite. The TPO Line Set Wrap is applied by peeling off the release liner while covering the pipe wrap insulation. Since this membrane is 100% solid, there is no shrinkage or additional coats required due to absorption by the insulation. This gives the product superior protection against damage from moisture, landscaping operations, equipment maintenance, and wind blown debris.



Contributes to **LEED®** Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 326380 | TPO LINE SET WRAP 6" X 75' |
| 326381 | TPO LINE SET WRAP 9" X 75' |

## All-Purpose 1602

ALL-PURPOSE 1602 is a pressure-sensitive, duct-joint and general-purpose rolled sealant. The fabric backing allows paint to be applied for a customized look. ALL-PURPOSE 1602 provides an instant, aggressive grip to most surfaces, including sheet metal, duct board, and flex-duct for indoor applications. The GRAY MATTER™ butyl adhesive/sealant is 100% solids which means that it remains flexible and does not release from the substrate. Thickness: 25 mils Tensile Strength: 790 PSI average Sealant Material: Modified butyl Can contribute toward LEED credits SCAQMD Rule 1168



Contributes to **LEED®** Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 304086 | AP-1602-WHITE SONTARA* FABRIC-2" x 50' 24 RLS |
| 304087 | AP-1602-WHITE SONTARA* FABRIC-3" x 50' 16 RLS |
| 304088 | AP-1602-WHITE SONTARA* FABRIC-4" x 50' 12 RLS |
| 304089 | AP-1602-WHITE SONTARA* FABRIC-6" x 50' 8 RLS |
| 304085 | AP-1602-WHITE SONTARA* FABRIC-12" x 50' 4 RLS |

## Circu-Flex™ Neoprene and Vinylflex

Circu-Flex features the patented Posi-Lok™, a two-part metal strip assembly with prime G-90 galvanized steel, which is mechanically clenched along the fabric portion of the standard connector and floats freely without contacting the metal edges of the connector and comes in Neoprene and Vinylflex.

**Part Numbers:**

| | |
|---|---|
| 307856 | CONN CIRCUFLEX NEO CLS BLK 24G 75' |
| 307859 | CONN CIRCUFLEX VNLFLX CLS YEL 24G 75' |

## Flexible Duct Connector 2"-3"-2" (Residential Quality - 28G)

Connector Plus Residential Quality Flexible Duct Connector is the premium manufactured flexible duct connector for residential applications. It utilizes a narrower section of 28G G-90 galvanized steel for easy bending, is available in a variety of special fabrics and excels in isolating vibrations produced by air handling units, fans, blowers and other residential HVAC equipment. For handler convenience, the continuous 100' rolls readily dispense from a bench-high carton.

**Part Numbers:**

| | |
|---|---|
| 307889 | CONN RSDL NEO CLS BLK 2-3-2 28G |
| 307892 | CONN RSDL NEO OPN BLK 2-3-2 28G |
| 307899 | CONN RSDL VNLFLX CLS BLK 2-3-2 28G |
| 307904 | CONN RSDL VNLFLX OPN BLK 2-3-2 28G |
| 307902 | CONN RSDL VNLFLX FLT BLK 2-3-2 28G |

## Flexible Duct Connector 3"-3"-3" (Light Commercial Quality - 28G)

Connector Plus Light Commercial Flexible Duct Connector is the premium, manufactured flexible duct connector for light commercial applications, it utilizes a 28-gauge, G-90 galvanized steel, and is available in a variety of fabrics to fit jobsite requirements. It also reduces the vibrations produced by air-handling units, fans, blowers and other HVAC equipment and comes in continuous, 100' rolls that dispense from a bench-high carton for convenience.

**Part Numbers:**

| | |
|---|---|
| 307872 | CONN LT-CML NEO CLS BLK 3-3-3 28G |
| 307881 | CONN LT-CML VNLFLX CLS BLK 3-3-3 28G |
| 307885 | CONN LT-CML VNLFLX OPN BLK 3-3-3 28G |
| 307875 | CONN LT-CML SIL CLS GRY 3-3-3 28G |

## Flexible Duct Connector 3"-3"-3" (Commerical/Industrial Quality - 24G)

Connector Plus Commercial/Industrial Flexible Duct Connector is the premium, heavy-duty, manufactured flexible duct connector, offering quality unmatched by others. Designed for industrial and commercial applications, Connector Plus flexible duct connectors are available in a variety of fabrics and are made with prime, G-90 galvanized steel, aluminum, and 316 stainless steel. They efficiently isolate vibrations produced by air-handling units, fans, blowers and other HVAC equipment and come in continuous, 100' rolls easily dispensed from a bench-high carton.

**Part Numbers:**

| | |
|---|---|
| 307838 | CONN CML NEO CLS BLK 3-3-3 24G |
| 307842 | CONN CML NEO OPN BLK 3-3-3 24G |
| 307851 | CONN CML VNLFLX CLS BLK 3-3-3 24G |
| 307854 | CONN CML VNLFLX OPN BLK 3-3-3 24G |
| 307831 | CONN CML HYP CLS WHT 3-3-3 24G |
| 307843 | CONN CML SIL CLS GRY 3-3-3 24G |
| 319085 | CONN CML NEO CLS BLK 3-3-3 ALUM 50' |
| 308871 | CONN CML NEO CLS BLK 3-3-3 SSTL 50' |
| 308873 | CONN CML HYP CLS WHT 3-3-3 SSTL 50' |

## Flexible Duct Connector 3"-6"-3" (Super Commercial/Industrial Quality - 24G)

Connector Plus Super Commercial/Industrial Flexible Duct Connector is the premium, heavy-duty, manufactured flexible duct connector for applications that require a wider fabric be used to accommodate more movement or a larger offset in the connection points. Made for industrial and commercial applications and effectively isolates vibrations produced by air-handling units, fans, blowers and other HVAC equipment. It is available in a variety of fabrics and made with prime, G-90 galvanized steel (also available by special order in 316 stainless steel) and come in continuous, 100' rolls that dispense from a bench-high carton for ease of use.

**Part Numbers:**

| | |
|---|---|
| 307908 | CONN SUPER NEO CLS BLK 3-6-3 24G |
| 307916 | CONN SUPER VNLFLX CLS BLK 3-6-3 24G |
| 307905 | CONN SUPER HYP CLS WHT 3-6-3 24G |
| 308914 | CONN SUPER HYP CLS WHT 3-6-3 SSTL 50' |
| 308915 | CONN SUPER NEO CLS BLK 3-6-3 SSTL 50' |
| 307911 | CONN SUPER SIL CLS GRY 3-6-3 24G |
| 309006 | CONN SUPER VNLFLX OPN BLK 3-6-3 24G |

## Flexible Duct Connector 4"-3"-4" Or 4"-4"-4" (Connector For Engel Or Lockformer - 24G)

Connector Plus Flexible Duct Connector for Engel or Lockformer machines is the premium, heavy-duty, manufactured connector for applications in which the connector is required to be run through an automatic flanging machine. This connector is made for industrial and commercial applications and efficiently isolates vibrations produced by air-handling units, fans, blowers and other HVAC equipment. It is available in a variety of fabrics and is made with prime, G-90 galvanized steel or aluminum (also available by special order in 316 stainless steel). The continuous, 100' rolls easily dispense from a bench-high carton.

### Part Numbers:

| | |
|---|---|
| 307824 | CONN TDC/TDF NEO CLS BLK 4-3-4 24G |
| 307836 | CONN TDC/TDF NEO CLS 4-4-4 24G |
| 307829 | CONN TDC/TDF VNLFLX CLS BLK 4-3-4 24G |
| 307837 | CONN TDC/TDF VNLFLX OPN BLK 4-4-4 24G |
| 307823 | CONN TDC/TDF HYP CLS WHT 4-3-4 24G |
| 319089 | CONN TDC/TDF NEO OPN BLK 4-4-4 ALUM 50' |

## Hollow Vane & Push-On Rail

The Hollow Vane & Push-On Rail both have an exclusive snap-lock connection that eliminates peening and welding to assemble and producing an extremely strong assembly. The rail is also nestable, reducing shipping costs and is much easier to store.

### Part Numbers:

| | | QTY: |
|---|---|---|
| 317321 | HOLLOW VANE JR 2" 10 FT | 10 |
| 317322 | PUSH ON RAIL JR 2" 10 FT | 10 |
| 317323 | HOLLOW VANE 4" 10 FT | 5 |
| 317324 | PUSH ON RAIL 4" 10 FT | 10 |
| 321537 | HOLLOW VANE 4" SSTL 10 FT | 1 |
| 321538 | PUSH ON RAIL 4" SSTL 10 FT | 1 |

## Weld-Ons

Weld-Ons are manufactured with consistently sharp points to ensure positive contact with the sheet metal to which they are to be welded. Produced from special carbon alloy steel, the point of the welding pin is hardened in a unique cold form process. This hardens the points, giving them a steel temper, which, unlike other welding pins, will not blunt or flatten when applied. The sharper point of contact results in a better weld and creates fewer sparks that ignite adhesives or burn substrates. Weld-Ons are easily applied using any conventional portable or automatic resistance welding unit. Cup-style washer is designed to sufficiently depress the insulation surface without tearing it.

### Part Numbers:

| | | QTY: |
|---|---|---|
| 308111 | WELD-ONS CUP ½" | 1000 |
| 308112 | WELD-ONS CUP ¾" | 1000 |
| 308113 | WELD-ONS CUP 1" | 1000 |
| 308116 | WELD-ONS CUP 1 ½" | 1000 |
| 308119 | WELD-ONS CUP ½" | 5000 |
| 308120 | WELD-ONS CUP ¾" | 5000 |
| 308121 | WELD-ONS CUP 1" | 5000 |
| 308122 | WELD-ONS CUP 1 ⅛" | 3000 |
| 307099 | WELD-ONS CUP 1 ½" | 3000 |
| 308134 | WELD-ONS FLAT ½" | 1000 |
| 308135 | WELD-ONS FLAT ¾" | 1000 |
| 308136 | WELD-ONS FLAT 1" | 1000 |
| 308137 | WELD-ONS FLAT 1 ⅛" | 1000 |
| 308139 | WELD-ONS FLAT 1 ½" | 1000 |
| 308141 | WELD-ONS FLAT ½" | 5000 |
| 308142 | WELD-ONS FLAT ¾" | 5000 |
| 308143 | WELD-ONS FLAT 1" | 5000 |
| 308144 | WELD-ONS FLAT 1 ⅛" | 3000 |
| 307097 | WELD-ONS FLAT 1 ½" | 3000 |
| 304973 | WELD-ONS FLAT 2" | 3000 |

## G Corner & G Corner Aluminum

The G Corner is a galvanized steel corner that is flanged and embossed to provide strength and rigidity. The corner piece has a square bolt hole to accommodate compatible carriage bolts allowing field assembly with a single wrench. Corners are pre-punched to accommodate #10 sheet metal screws.

### Part Numbers:

| | | QTY: |
|---|---|---|
| 308261 | G CORNER | 200 |
| 308262 | G CORNER ALUMINUM | 200 |

## G Flange

The G Flange is made with galvanized steel, and has a hollow roll-formed section containing an integral sealant. The synthetic resin sealant has excellent adhesion to metal, is easy to work with, is non-flow to 180º F and retains its sealing properties indefinitely.

| Part Numbers: | | QTY: |
|---|---|---|
| 324050 | G FLANGE 20' LENGTH (1,500 FT) | 1 |

## J Corner

A galvanized steel CORNER that is flanged and embossed to provide strength and rigidity. The corner piece has a square bolt hole to accommodate compatible carriage bolts allowing field assembly with a single wrench. Corners are pre-punched to accommodate #10 sheet metal screws.

| Part Numbers: | | QTY: |
|---|---|---|
| 308259 | J CORNER | 200 |
| 308260 | J CORNER ALUMINUM | 200 |

## J Flange

Galvanized steel, hollow roll-formed section containing an integral sealant. The synthetic resin sealant has excellent adhesion to metal, is easy to work with, is non-flow to 180º F and retains its sealing properties indefinitely.

| Part Numbers: | | QTY: |
|---|---|---|
| 308845 | J FLANGE 20' LENGTH (1,000 FT) | 1 |
| 308846 | J FLANGE 12' LENGTH (600 FT) | 1 |
| 310497 | J FLANGE 10' LENGTH (1,000 FT) | 1 |

## Gasket Tapes

The Hardcast Four-Bolt Connection System is designed to provide a simple and effective means of connecting rectangular duct sections together. This connection system may be used on all rectangular ducts from 14 GA to 26 GA, resulting in sealed joints with clear lines that are aesthetically pleasing.

| Part Numbers: | | QTY: |
|---|---|---|
| 308632 | EPDM GASKET, $\frac{1}{4}$" X $\frac{5}{8}$" X 50'  20 RLS | 20 |
| 304607 | NEOPRENE GASKET $\frac{1}{4}$" X $\frac{3}{4}$" X 25' 16 RLS | 16 |
| 304271 | A-1104 BUTYL GASKET SEALER 25' - 20 RLS | 20 |

## Multi-Matic TDC & TDF Corners

The Nexus Multi-Matic TDC/TDF corners are designed for both use in automatic insertion machines or for hand assembly. The Corners are flanged and embossed to provide strength and rigidity. The corner piece has a square bolt hole to accommodate compatible carriage bolts allowing for field assembly with a single wrench. Corners are pre-punched near bolt hole to accommodate #10 sheet metal screws that can be used as a replacement to the bolts. The 250 packs are conveniently packaged in stacks for easy transfer to automatic feeding machines. The 4000 packs for manual insertion are packaged in drums.

| Part Numbers: | | QTY: |
|---|---|---|
| 322704 | CORNER MULTI-MATIC C | 250 |
| 322706 | CORNER MULTI-MATIC F | 250 |
| 322705 | CORNER MULTI-MATIC C BULK | 4000 |
| 322707 | CORNER MULTI-MATIC F BULK | 4000 |

## Kwiki™ Sets & Parts

Our Kwiki line of bright, zinc-plated residential regulators is designed to allow easy installation onto any factory-made residential quality damper blade. The spring in the spring-loaded bearing will never bind or interfere with the blade. Both our KB-1 (Spring- Loaded Bearing) and our KM-1 (Threaded End Bearing) will perforate the metal with ease every time. Our special handle can also be used on both ends simply by flipping it from one end to the other. Both ends are available with steel back-up washers and gaskets to resist leakage.

| Part Numbers: | | QTY: |
|---|---|---|
| 307961 | KWIKI SET | 100 |
| 307962 | KWIKI SET ECONOMY | 100 |
| 307963 | KWIKI RGLTR | 100 |
| 307964 | KWIKI RETRACTING BRNG | 100 |
| 307965 | KWIKI RETRACTING BRNG | 1000 |
| 307966 | KWIKI ECONOMY BRNG THD | 100 |
| 307967 | KWIKI ECONOMY BRNG THD | 1000 |
| 309845 | KWIKI LOCKING EXTENSION | 100 |
| 307968 | KWIKI HNDL | 100 |
| 307969 | KWIKI HNDL | 1000 |
| 307970 | KWIKI WINGNUT | 100 |
| 307971 | KWIKI WINGNUT | 1000 |
| 307974 | KWIKI WASHER STEEL | 100 |
| 307975 | KWIKI WASHER STEEL | 1000 |
| 307972 | KWIKI WSHR STEEL ECONOMY BRNG | 100 |
| 307976 | KWIKI GSKT ECONOMY BRNG | 100 |

## Stick Ons

Stik-Ons are 14-gauge steel insulation pins that are permanently staked through 2" x 2" galvanized-steel base plates. A pressure-sensitive adhesive backing provides a permanent bond between Stik-Ons and ductwork. Stik-Ons can be used to hold all low- and medium-density blanket and board insulation in applications where the temperature will not exceed 180°F (82°C). Clips are included.

| Part Numbers: | | QTY: |
|---|---|---|
| 308161 | STIK-ONS ¾" | 100 |
| 308162 | STIK-ONS 1 ¼" | 100 |
| 308163 | STIK-ONS 1 ¾" | 100 |
| 308164 | STIK-ONS 2" | 100 |
| 308165 | STIK-ONS 2 ½" | 100 |
| 308166 | STIK-ONS ¾" | 1000 |
| 308167 | STIK-ONS 1 ¼" | 1000 |
| 308168 | STIK-ONS 1 ¾" | 1000 |
| 308169 | STIK-ONS 2" | 1000 |
| 308170 | STIK-ONS 2 ½" | 1000 |

## Test Ports

The PTP-1 Instrument Test Port consists of a ZAMAC (zinc) alloy body casting, which is installed over a sponge neoprene gasket and is red in color, making it easy to locate when conducting pressure/velocity tests. This housing is internally threaded to accept a precision-molded high-density polyethylene plug, fitted with a neoprene "O" ring, rendering it leak proof. It withstands continuous intermittent operating temperatures of 165°F (72°C) and 215°F (100°C). Port cap has exceptional dimensional stability and is impervious to most chemicals and freezing temperatures down to -94°F (-70°C).

| Part Numbers: | | QTY: |
|---|---|---|
| 308081 | TEST PORT FITTING | 25 |

## Dyn-A-Quad Clampmatic™

Dynair's Dyn-A-Quad Clampmatic Quadrant features a slotted, offset, 12-gauge steel handle. This reverse-bend handle firmly clamps both round and square bearings, eliminating slippage.

| Part Numbers: | | QTY: |
|---|---|---|
| 308042 | DYN-A-QUAD CLAMPMATIC ROUND ³⁄₈" | 50 |
| 308044 | DYN-A-QUAD CLAMPMATIC SQUARE ½" | 50 |
| 308043 | DYN-A-QUAD CLAMPMATIC ROUND ½" | 50 |

## Dyn-A-Quad Double Shear

A new line of quadrant regulators that feature a heavy, 12-gauge handle with a U-bend that firmly clamps the front and back of square bearing pins, securing them against the quadrant frame. • Rattle-free performance • Unique design • Economical

| Part Numbers: | | QTY: |
|---|---|---|
| 308030 | DYN-A-QUAD DBL SHEAR SET ³⁄₈" | 50 |
| 308031 | DYN-A-QUAD QUADRAMATIC™ DBL SHEAR ³⁄₈" | 50 |
| 308041 | DYN-A-QUAD QUADRAMATIC DBL SHEAR ½" | 50 |

## Dyn-A-Quad Single Shear

A new line of quadrant regulators that feature an off-set, 12-gauge handle that holds square bearing pins firmly, eliminating the potential for roundout wear. • Clamping action of single shear minimizes rattle • Off-set mounting holes allow full operation of all fastening methods • Optional leak-resistant set: 308025 (LRP-38) ³⁄₈", 308058 (LRP-50) ½" • Rattle-free performance •Impressive holding power •Economical • For ½" and ³⁄₈" square bearings

| Part Numbers: | | QTY: |
|---|---|---|
| 308027 | DYN-A-QUAD SNGL SHEAR SET ³⁄₈" | 50 |
| 308287 | DYN-A-QUAD SNGL SHEAR SET LONG ³⁄₈" | 50 |
| 308024 | DYN-A-QUAD SNGL SHEAR SET ½" | 50 |
| 308028 | DYN-A-QUAD SNGL SHEAR ³⁄₈" | 100 |
| 308025 | DYN-A-QUAD SNGL SHEAR ½" | 100 |

## Gripple

Gripple's Trapeze Brackets work in conjunction with Gripple's Trapeze Fastener System. The Brackets and Fasteners replace the use of hanger straps when suspending rectangular ductwork. They attach easily to each side of the ductwork with screws at four points, can be pre-attached to ductwork prior to installation or during installation and allow for easy post-installation height adjustment. Gripple's Trapeze Fastener System is ideal for fast suspension of rectangular ducts. The Gripple Trapeze Fastener comes in a ready-to-use kit, eliminates channel support and is to be used in conjunction with the Gripple No. 3 cable hanger system.

| Part Numbers: | | QTY: |
|---|---|---|
| 317296 | #3 GRIPPLE FASTNER MAX 200 LBS (50) | 50 |
| 317297 | ¹⁄₈" #3 GRIPPLE CABLE ON SPOOL (500 LF) | 1 |
| 317346 | #2 GRIPPLE FASTNER MAX 100 LBS (50) | 50 |
| 317302 | BELT CLIP W/FLAG KEY | 10 |
| 318112 | CABLE ROPE CUTTER | 1 |
| 317348 | ⁵⁄₆₄" #2 GRIPPLE CABLE ON SPOOL (500 LF) | 1 |

## Mini-Dial Sets & Parts

The unique MINI-DIAL regulators are extremely robust and can handle both residential and light commercial applications. The MINI-DIAL includes a forged, high-quality wing nut, and is available in ¼" with interior and exterior steel washers and gasket. Available for non-insulated and insulated applications.

| Part Numbers: | | QTY: |
|---|---|---|
| 307981 | MINI DIAL SET | 100 |
| 307982 | MINI DIAL SET LONG | 100 |
| 307983 | MINI DIAL RGLTR ¼" | 100 |
| 307984 | MINI DIAL RGLTR LONG ¼" | 100 |

## Access Door Handles

The Handle Set offers aesthetic appeal and excellent functionality • Steel and neoprene washers provide airtight performance • Accommodates doors/doorframes up to 2" (1 ⅝" with collar) • Set comes complete with 2 steel washers and 2 neoprene washers • Strong zinc-alloy casting • Recommended for doors up to 48" x 48"

| Part Numbers: | | QTY: |
|---|---|---|
| 308099 | ACCESS DOOR HNDL, ⅜" SHAFT | 25 |
| 308100 | ACCESS DOOR HNDL, ½" SHAFT | 25 |
| 308341 | ACCESS DOOR HNDL, ½" NICKEL | 10 |

## Access Door Handles (Heavy Duty)

A versatile, industry-leading, heavy-duty handle for equipment cabinets with door thicknesses of up to 4". FEATURES • High-strength ZAMAC 3, mounting plate and door pull/stop • ½"-diameter, cold-rolled steel, zinc-plated, fully secured handle • Flat-milled, threaded shaft with knurled set screw secures handle • Also available with square-head set screw • Threaded shaft accepts ½" x 13" threaded locknut • Inner handle safety feature • Leak-resistant neoprene washer • Special order: electro-less, nickel-plated handle with stainless-steel locknut

| Part Numbers: | | QTY: |
|---|---|---|
| 308101 | ACCESS DOOR HNDL, 2" DOORS | 10 |
| 308102 | ACCESS DOOR HNDL, 3" & 4" DOORS | 10 |
| 308339 | H.D. ACCESS DOOR SET ½" X 2" LT | 10 |
| 308320 | H.D. ACCESS DOOR SET ½" X 2" N | 10 |
| 308321 | H.D. ACCESS DOOR SET ½" X 4" NICKEL | 10 |

## Swivel-Lock, Camlock & A-1 Fastener

Swivel-Lock and Camlock both feature a dependable closure for smaller access doors and panels and heavy, stamped-zinc-plated steel parts, as well as a large-diameter riveted assembly. These products can be mounted with a ³⁄₁₆" rivet or #10 screw. The A-1 Fastener reduces vibration and holds various access doors, panels, grills and other similar pieces in place. This fastener is easy to install and requires no tools to operate.

| Part Numbers: | | QTY: |
|---|---|---|
| 308098 | SWIVEL-LOK | 50 |
| 316600 | CAMLOCK | 100 |
| 309068 | QUICK RELEASE FASTENER | 100 |

## Multi-Purpose Silicone Sealants

Carlisle's 100% silicone sealant is a non-slump, paste-like, one component RTV, designed for a wide variety of industrial sealing and adhesives applications. It cures at room temperature by reaction with moisture in the air to produce a durable, flexible silicone rubber.

Contributes to **LEED®** Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 309980 | 1 Case w/ (25) 10.3 oz. Cartridges (Aluminum) |
| 309981 | 1 Case w/ (25) 10.3 oz. Cartridges (White) |
| 309982 | 1 Case w/ (25) 10.3 oz. Cartridges (Clear) |

## High Temp Silicone Sealant

Carlisle High-Temp 100% Silicone Sealant is a premium one-component room temperature vulcanizing RTV acetoxy cure high temperature silicone sealant and adhesive. When fully cured, this unique VOC compliant formula offers UV stability and tenacious adhesion to form waterproof and airtight bonds to metal, steel, tile, fiberglass, ceramic, glass, aluminum, painted surfaces, wood, plywood, marble, plus many other common substrates. This product is specifically formulated to offer all weather performance to meets today s Green Building Standards.

Contributes to **LEED®** Credit Requirements

**Part Numbers:**

| | |
|---|---|
| 309983 | 1 Case w/ (12) 10.3 oz. Cartridges (High-Temp: Red) |

## Paint Brushes

Multi-purpose paintbrushes, 2" in width, were designed primarily for application of duct sealant and insulation adhesive and can spread product easily without breaking apart.

**Part Numbers:**

| | |
|---|---|
| 304288 | 1 Case w/ (24) 2" Chip Brushes |

## PT-3000 Caulk Gun

The PT-3000 Caulk Gun features an easy load front cap, seal puncture tool, spout cutter, ladder hook and a 10:1 thrust ratio. The PT-3000 also includes a finishing tool that forces caulk into joints and seams for a smooth finish and 2 caps to keep product fresh. The finishing tool can also be conveniently attached to the gun for ease of access.

**Part Numbers:**

| | |
|---|---|
| 304316 | PT-3000 CAULK GUN 12 EA |

## Cartridge Killer™ Extrusion Gun

Cartridge Killer provides applicators with a quick, simple way to apply a fine bead of Spray-Seal™ Duct Sealant to boots, wyes, and other fittings. Cartridge Killer helps applicators save time and money on labor and materials, and provides superior aesthetics when compared to other application methods. Cartridge Killer comes with three different-sized tips – 0.012", 0.017", and 0.022" – so users can achieve the ideal bead size for any project, and features a stainless steel mesh filter between the gun and the tip to minimize clogging and keep work on schedule.

**Part Numbers:**

| | |
|---|---|
| 325327 | Spray Extrusion Kit |

## Duct Protection Film

The Dynair Duct Protection Film is designed as a temporary closure to protect uninstalled and partially installed ductwork from contaminants such as dirt, dust, and other particulates that can accumulate in the duct that can lead to poor indoor air quality. It is highly conformable and puncture resistant. The adhesive system contains anti-bacterial agents and is designed for use on metal substrates which allows for clean residue free removal.

**Part Numbers:**

| | |
|---|---|
| 326151 | DUCT PROTECTION FILM 24" X 200' |
| 326153 | DUCT PROTECTION FILM 36" X 200' |
| 326154 | DUCT PROTECTION FILM 48" X 200' |

## Spray Station Accessories

The Travel-Tack portable adhesive system spray gun hoses and tips offer ease of use, comfort and can be adjusted to deliver the right amount of adhesive every time. Spray gun comes complete with the standard 6501 tip. For use with our complete Travel-Tack Product Line.

**Part Numbers:**

| | |
|---|---|
| 307490 | Adjustable Spray Gun |
| 304302 | 6' Adhesives Hose |
| 304303 | 12' Adhesives Hose |
| 304304 | 18' Adhesives Hose |
| 304301 | 9501 Tip (California Compliant) |

## AB-151 Scrim

AB-151 Scrim is an all-purpose self-adhering fiberglass ductwork scrim primarily used for temporary fixation of ductwork prior to sealant application. For use with UL 181 Listed applications.

**Part Numbers:**

| | |
|---|---|
| 310553 | AB-151 SCRIM 3" X 150' 18 RLS |

## Mobile Sealant Delivery System

A sealant delivery system that allows you to step out of the shop and into the field while still granting substantial labor savings as well as being lightweight and economical.

**Part Numbers:**

| | |
|---|---|
| 315904 | DELUXE MOBILE SEALANT DELIVERY SYSTEM |
| 321400 | STANDARD MOBILE SEALANT DELIVERY SYSTEM |
| 317700 | JUNIOR MOBILE SEALANT DELIVERY SYSTEM (not pictured) |

## Degalvanizer

Galvanizing build-up on roll formers and other sheet metal machinery parts can slow productivity and eventually have costly results. Remove galvanized build-up and protect your equipment with Degalvanizer from Hardcast.

**Part Numbers:**

| | |
|---|---|
| 310006 | Degalvanizer 15 oz can 12 per ct |

## Truth About VOCs

What are acceptable levels of VOCs in duct sealants and mastics? According to the SMACNA1 Technical Resource Bulletin (TRB) #9-09 issued in July 31,2009 as an update to TRB #4-09 issued in March 27, 2009, The USGBC2 issued the following ruling on how to classify duct sealants for application under Credit 4.1. Project teams can classify duct sealant under the "Other" category in the SCAQMD3 Rule #1168 VOC Limits table.

This category of "Other" limits the VOC maximum limits of 420 g/l. This limit should allow proper duct sealing on LEED4 projects and will permit proper sealing of ductwork at temperatures below 40°F (5°C).

Hardcast duct sealants and mastics, both water-based and solvent-based, are below the LEED limit, qualify for LEED credit contribution and are below the requirements for SCAQMD.
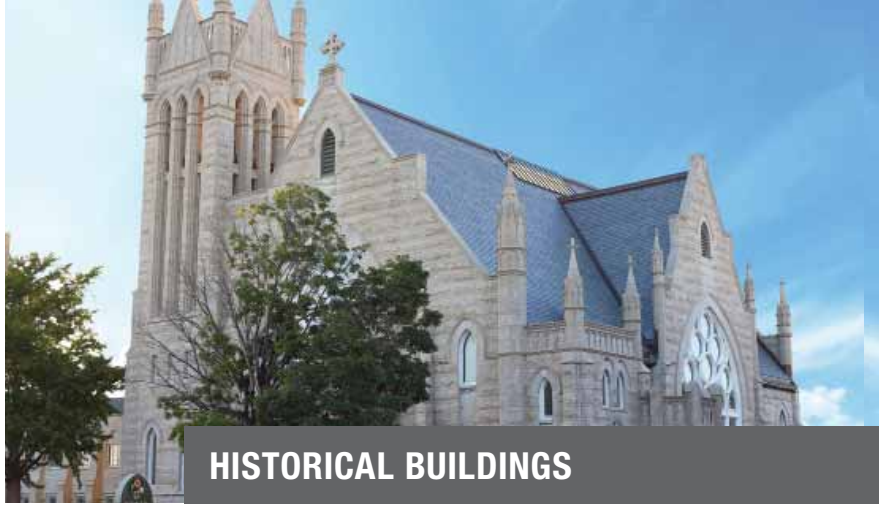
All VOCs contained in Hardcast sealants are in the product to guarantee and enhance performance. Recent failures in certain "zero" VOC products have led other manufacturers to realize this is not a race to zero. Ultimately the duct sealant must perform for the life of the duct as a sealant, the product must not be a food source for bacterial growth and it must be stable in the container prior to application.

Contrary to the belief that having a zero VOC product is good for the environment, the spreading of microorganisms throughout the HVAC system is detrimental to a building's IAQ (Indoor Air Quality), plus not being able to apply duct mastic in the wintertime will limit cold weather construction projects. **Hardcast branded sealants will exceed the UL-181 requirements by complying with mold/fungi and freeze/thaw requirements and additional Carlisle / ASTM testing.** Hardcast duct sealants and mastics have never had an occurrence of mold growth on the mastic in the pail prior to application or after its been applied.

## Foil-Sealant Duct Sealing System Warranty

The Hardcast Foil-Sealant Duct Sealing System, a system that reduces ductwork air leakage, energy loss and moisture intrusion, is a combination of rolled sealant and mastic. When properly installed, the Hardcast Foil-Sealant Duct Sealing System is eligible for a 10-year material only warranty. This system includes Hardcast's Iron-Grip 601, Spray-Seal or Versa-Grip 181 liquid mastic sealant. Once the liquid sealant has cured completely; the mastic is overlaid with a 4" wide strip of AFT-701 rolled sealant. This non-cracking, flexible, UV resistant Foil-Sealant Duct Sealing System will help meet the ASHRAE 90.1 2012 Duct Construction Handbook requirement of less than 2% air leakage on outside supply, return and exhaust ductwork for years to come if properly installed, maintained and used for the purpose intended by Carlisle HVAC Products.

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**HARDCAST**
DUCT SEALANTS & INSULATION ADHESIVES

**DYNAIR**
DUCT HARDWARE & NEXUS FLANGE