HARDCAST®
A CARLISLE COMPANY

Product Guide

HARDCAST 10 YEAR WARRANTY | True Zero VOC | MADE IN USA | Contributes to LEED® Credit Requirements | GREENGUARD GOLD

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

HARDCAST
DUCT SEALANTS & INSULATION ADHESIVES

DYNAIR
DUCT HARDWARE & NEXUS FLANGE

Company Info

Hardcast

As a leading pioneer in the HVAC sealant industry, Hardcast's products are contractor approved, award winning and backed by a warranty you can trust. It encompasses the Hardcast brand of Duct Sealants and Adhesives, the DynAir brand of Duct Hardware, and Nexus Duct Flange Connecting System. Hardcast 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. Hardcast 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.

CELEBRATING 50 YEARS SINCE 1965 HARDCAST®

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 181B-M Listed, passes ASTM C731, ASTM C732, ASTM D2202, USDA, EPA and FDA Approved, SCAQMD Rule 1168, US Dept of Homeland Security Approval, and City of Los Angeles Approval RR #8069.

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, and UV inhibitors for outdoor use. Versa-Grip 181 is UL 181A-M & UL 181B-M Listed, passes ASTM C731, ASTM C732, ASTM D2202, USDA, EPA & FDA Approved, SCAQMD Rule 1168, and City of Los Angeles Approval RR #8427.

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 181B-M Listed, passes ASTM C731, ASTM D2202, USDA, EPA and FDA Approved, SCAQMD Rule 1168, and City of Los Angeles Approval RR #8069.

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 181B-M Listed, passes ASTM D2202, ASTM C731, ASTM C732, USDA, EPA and FDA Approved, SCAQMD Rule 1168, US Dept of Homeland Security Approval, and City of Los Angeles Approval RR #8069.

Part Numbers:

304159	1 Case w/ (25) 11-oz. Cartridges (Gray)
304156	1 Case w/ (4) 1-Gallon Pails (Gray)
304158	(1) 5-Gallon Pail (Gray)
332926	1 Case w/ (4) 1-Gallon Pails (White)

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, and UV inhibitors for outdoor use. CCWI-181 is UL 181A-M & UL 181B-M Listed and has the 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)

Soudaseal 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 and 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
304153	1 Case w/ (4) 1-Gallon Pails
304155	(1) 2-Gallon Pail

Spray Seal™

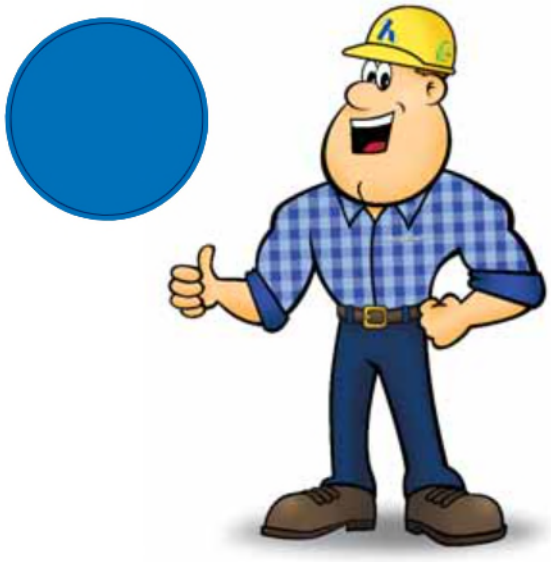
Spray Seal is an all-purpose, high performance, sprayable, water-based duct sealant for use on all types of metal duct, duct fabric and flex duct. Distinguished by its ability to accommodate minor vibration and movement, Spray Seal stays flexible and will not crack. Spray Seal decreases labor substantially and increases productivity while using less material. Spray Seal is UL 181B-M Listed, passes ASTM C731, ASTM C732, ASTM D2202, SCAQMD Rule 1168, and US Dept. of Homeland Security Approval.

HARDCAST 10 YEAR WARRANTY

Contributes to LEED® Credit Requirements

Part Numbers:

304133	(1) 5-Gallon Pail
305437	(1) 50-Gallon Drum



Rolled Mastic Sealants

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.

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) 36" x 100' Roll (Non-printed)
304099	1 Case w/ (24) 2" x 100' Rolls (Printed)
304100	1 Case w/ (16) 3" x 100' Rolls (Printed)

Foil-Grip 1404-181BFX

Foil-Grip 1404-181BFX is a UL 181-BFX listed pressure-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

Foil-Grip 1403-181BFX

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

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. Eligible for a 5-year stand-alone warranty and a 10-year warranty when used in the Foil-Sealant Sealing System.

HARDCAST 5 YEAR WARRANTY | HARDCAST 10 YEAR WARRANTY | Contributes to LEED® Credit Requirements

Part Numbers:

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

All-Purpose™ 1602

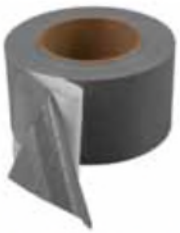
All-Purpose 1602 is a pressure-sensitive, duct joint and general-purpose rolled sealant. The fabric backing allows paint to be applied for a customized look. All-Purpose 1602 provides an instant, aggressive grip to most surfaces, including sheet metal, duct board, and flex-duct for indoor applications. The GRAY MATTER™ butyl adhesive/sealant is 100% solids which means that it remains flexible and does not release from the substrate.

Contributes to LEED® Credit Requirements

Part Numbers:

304086	1 Case w/ (24) 2" x 50' Rolls
304087	1 Case w/ (16) 3" x 50' Rolls
304088	1 Case w/ (12) 4" x 50' Rolls
304089	1 Case w/ (8) 6" x 50' Rolls
304085	1 Case w/ (4) 12" x 50' Rolls

TGM-3300



TGM-3300 is a double sided adhesive that consists of a butyl-based material sandwiched between two release liners, and is designed to bond 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.

Contributes to LEED® Credit Requirements

Part Numbers:

304259	1 Case w/ (24) 2" x 50' Rolls
304260	1 Case w/ (16) 3" x 50' Rolls
304261	1 Case w/ (12) 4" x 50' Rolls
304262	1 Case w/ (8) 6" x 50' Rolls
304983	1 Case w/ (4) 12" x 50' Rolls

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 and is designed to be used with our entire Travel-Tack product line.

Part Numbers:

307490	1 Adjustable Spray Gun
304302	(1) 6' Adhesives Hose
304303	(1) 12' Adhesives Hose
304304	(1) 18' Adhesives Hose
304301	(1) 9501 Tip (Low VOC Compliant)

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 Pail (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. 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
308573	(1) 50-Gallon Drum

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
308590	(1) 50-Gallon Drum

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. Its portability, limited equipment clean-up and low equipment cost make this adhesive ideal for shop or field use. TRAVEL-TACK passes ASTM C916, SCAQMD Rule #1168, and has the City of Los Angeles Approval RR #8069.

Contributes to LEED® Credit Requirements

Part Numbers:

308600	(1) #12 Cylinder
308602	(1) #40 Cylinder
308603	(1) #187 Cylinder
308604	(1) #375 Cylinder
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. Its 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

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. Its portability, limited equipment clean up and low equipment cost make this adhesive ideal for shop or field use. Low-VOC TRAVEL-TACK also passes ASTM C916, SCAQMD Rule 1168, and has the City of Los Angeles Approval RR #8069.

Contributes to LEED® Credit Requirements

Part Numbers:

308605	(1) #40 Cylinder

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 UL 723 listed, passes ASTM C916 and SCAQMD 1168, and has the City of Los Angeles Approval RR #8069.

Contributes to LEED® Credit Requirements

Part Numbers:

308585	(1) 5-Gallon Pail
308587	(1) 50-Gallon Drum

Low-VOC UN-TACK™

Carlisle's Low-VOC UN-TACK Adhesive Remover and Cleaner is designed to remove adhesives and sealants from a variety of surfaces including metal, plastic, rubber, and glass. It can also be used to clean spray guns and hoses. Low-VOC UN-TACK is VOC compliant in all 50 states.

Part Numbers:

330793	(1) #8 Cylinder

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
308592	(1) 5-Gallon Pail
308593	(1) 50-Gallon Drum

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
316786	(1) 5-Gallon Pail
316787	(1) 50-Gallon Drum

Dyn-O-Tac II™

Dyn-O-Tac II is a nonflammable, 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

Super Tack TRAVEL-TACK™

Super Tack TRAVEL-TACK is a self-contained, highly aggressive, instant-tacking portable spray system that is 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.

Part Numbers:

333270	(1) #40 Cylinder

RE-500

RE-500, now with complete one-coat coverage, is a high-performance, spray-applied insulation encapsulant and coating for use inside HVAC ductwork. RE-500 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	(1) 5-Gallon Pail (Black)
319023	(1) 5-Gallon Pail (White)

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 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	(1) 5-Gallon Pail

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)

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

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	1 Case w/ (8) 6" x 75' Rolls
326381	1 Case w/ (4) 9" x 75' Rolls

Smoke & Soot

Hardcast Smoke & Soot is a spray-applied coating that resists microbial growth, locks down offensive particles, and removes odors from the air-stream of fugitive emissions from fire deposits below the detectable limit. Designed with an EPA registered chemical package, this coating was engineered to be used on ductwork and insulation that has been exposed to smoke and soot from a fire to negate the need to replace the entire duct by merely resurfacing the existing substrate.

Contributes to LEED® Credit Requirements

Part Numbers:

329742	(1) 5-Gallon Pail (White)
329544	(1) 5-Gallon Pail (Black)

Pan-Grip

Pan-Grip is a multicomponent novolac based epoxy product. The product is designed to seal and repair corroded and leaking drain pans and surfaces. The coating is impervious to water, non-rusting, and can be applied directly to a properly cleaned and prepared condensate pan without a primer.

Contributes to LEED® Credit Requirements

Part Numbers:

331331	1 Case w/ (12) 9-oz. Cartridges
331332	1 Case w/ (12) 9-oz Burst Bags
331330	(1) 1-Gallon Kit
331334	1 Case w/ 12 Mixing Nozzles for Cartridges

Pan-Grip Flex

Pan-Grip Flex is a multicomponent novolac based elastomeric epoxy product. It is able to withstand moisture, manage temperature changes, and adjust from freeze to thaw. The product is designed to seal and repair corroded and leaking drain pans and surfaces. The elastomeric properties of Pan-Grip Flex make the product ideal for surfaces where slight movement is expected. The coating is impervious to water, non-rusting, and can be applied directly to a properly cleaned and prepared condensate pan without a primer.

Contributes to LEED® Credit Requirements

Part Numbers:

331333	(1) 2-Gallon Kit

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

Connector Plus Residential Quality Flexible Duct Connector is the premium manufactured flexible duct connector for residential applications. It utilizes a narrower section of 28GA G-90 galvanized steel for easy bending, is available in black 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 rolls readily dispense from a bench-high carton.

Part Numbers:

307889	(1) 100' Roll (Closed Black Neoprene)
307892	(1) 100' Roll (Open Black Neoprene)
307899	(1) 100' Roll (Closed Black Vinyl-Flex)
307904	(1) 100' Roll (Open Black Vinyl-Flex)
307902	(1) 100' Roll (Flat Black Vinyl-Flex)

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

Connector Plus Light Commercial Flexible Duct Connector is the premium, manufactured flexible duct connector for light commercial applications. It utilizes a 28GA, 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 rolls that dispense from a bench-high carton for convenience.

Part Numbers:

307872	(1) 100' Roll (Closed Black Neoprene)
307881	(1) 100' Roll (Closed Black Vinyl-Flex)
307885	(1) 100' Roll (Open Black Vinyl-Flex)
307875	(1) 100' Roll (Closed Gray Silicone)

Packaging Options

Flat

Closed

Open

Flexible Duct Connector 3"-3"-3" (Commercial/Industrial Quality - 24GA)

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, 24GA 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 rolls easily dispensed from a bench-high carton.

Part Numbers:

307838	(1) 100' Roll (Closed Black Neoprene)
307842	(1) 100' Roll (Open Black Neoprene)
307851	(1) 100' Roll (Closed Black Vinyl-Flex)
307854	(1) 100' Roll (Open Black Vinyl-Flex)
307831	(1) 100' Roll (Closed White Hypalon)
307843	(1) 100' Roll (Closed Gray Silicone)
319085	(1) 50' Roll (Closed Black Neoprene - Aluminum)
308871	(1) 50' Roll (Closed Black Neoprene - 316 Stainless Steel)
308873	(1) 50' Roll (Closed White Hypalon - 316 Stainless Steel)

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

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, 24GA G-90 galvanized steel (also available by special order in 316 stainless steel) and come in continuous rolls that dispense from a bench-high carton for ease of use.

Part Numbers:

307908	(1) 100' Roll (Closed Black Neoprene)
307916	(1) 100' Roll (Closed Black Vinyl-Flex)
307905	(1) 100' Roll (Closed White Hypalon)
307911	(1) 100' Roll (Closed Gray Silicone)
309006	(1) 100' Roll (Open Black Vinyl-Flex)

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

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, 24GA G-90 galvanized steel or aluminum. The continuous rolls easily dispense from a bench-high carton.

Part Numbers:

307824	(1) 100' Roll (Closed Black Neoprene - 4"-3"-4")
307836	(1) 100' Roll (Closed Black Neoprene - 4"-4"-4")
307829	(1) 100' Roll (Closed Black Vinyl-Flex - 4"-3"-4")
307837	(1) 100' Roll (Open Black Vinyl-Flex - 4"-4"-4")
307823	(1) 100' Roll (Closed White Hypalon - 4"-3"-4")
319089	(1) 100' Roll (Open Black Neoprene - 4"-4"-4" - Aluminum)

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 produces an extremely strong assembly. The rail is also nestable, reducing shipping costs and making it much easier to store.

Part Numbers:

317321	1 Bundle w/ (10) 2" x 10' Jr. Hollow Vanes
317322	1 Bundle w/ (10) 2" x 10' Jr. Push-On Rails
317323	1 Bundle w/ (5) 4" x 10' Hollow Vanes
317324	1 Bundle w/ (10) 4" x 10' Push-On Rails
321537	(1) 4" x 10' Hollow Vane (Stainless Steel)
321538	(1) 4" x 10' Push-On Rail (Stainless Steel)

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 cutting it.

Part Numbers:

308119	1 Case w/ (5,000) ½" Pins (Cup)
308120	1 Case w/ (5,000) ¾" Pins (Cup)
308121	1 Case w/ (5,000) 1" Pins (Cup)
308122	1 Case w/ (3,000) 1⅛" Pins (Cup)
307099	1 Case w/ (3,000) 1½" Pins (Cup)
308141	1 Case w/ (5,000) ½" Pins (Flat)
308142	1 Case w/ (5,000) ¾" Pins (Flat)
308143	1 Case w/ (5,000) 1" Pins (Flat)
308144	1 Case w/ (3,000) 1⅛" Pins (Flat)
307097	1 Case w/ (3,000) 1½" Pins (Flat)
304973	1 Case w/ (3,000) 2" Pins (Flat)

G Corner

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:

308261	1 Case w/ 200 Corners
308262	1 Case w/ 200 Corners (Aluminum)

Duct Hardware & Nexus Flange

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 180ºF (82ºC) and retains its sealing properties indefinitely.

Part Numbers:

324050	1 Bundle w/ (75) 20' Flanges

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:

308259	1 Case w/ 200 Corners

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 180ºF (82ºC) and retains its sealing properties indefinitely.

Part Numbers:

308845	1 Bundle w/ (50) 20' Flanges
308846	1 Bundle w/ (50) 12' Flanges
310497	1 Bundle w/ (100) 10' Flanges

Gasket Tapes

DynAir's line of flange system sealants includes a variety of materials that were chosen for their dependability, holding power, wide range of temperature, and have endured the test of time. DynAir gasket tapes have a self-adhesive peel-off backing that allows for a precise and clean application.

Part Numbers:

308632	1 Case w/ (20) 1/4" x 5/8" x 50' Rolls (EPDM)
304607	1 Case w/ (16) 1/4" x 3/4" x 25' Rolls (Neoprene)
304271	1 Case w/ (20) 5/8" x 3/16" x 25' Rolls (A-1104 Butyl)

Multi-Matic™ TDC & TDF Corners

The Nexus Multi-Matic TDC/TDF corners are designed for 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:

322704	1 Case w/ 250 Corners (TDC)
322706	1 Case w/ 250 Corners (TDF)
322705	1 Case w/ 4,000 Corners (TDC)
322707	1 Case w/ 4,000 Corners (TDF)

Kwiki™ Sets & Parts

Our Kwiki line of 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 Retracting Bearing and our Economy 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:

307961	1 Case w/ 100 Sets
307962	1 Case w/ 100 Sets (Economy)
307963	1 Case w/ 100 Regulators
307964	1 Case w/ 100 Retracting Bearings
307965	1 Case w/ 1,000 Retracting Bearings
307966	1 Case w/ 100 Economy Bearings
307967	1 Case w/ 1,000 Economy Bearings
309845	1 Case w/ 100 Locking Extensions
307968	1 Case w/ 100 Handles
307969	1 Case w/ 1,000 Handles
307970	1 Case w/ 100 Wingnuts
307971	1 Case w/ 1,000 Wingnuts
307974	1 Case w/ 100 Steel Washers
307975	1 Case w/ 1,000 Steel Washers
307978	1 Case w/ 100 Retracting Bearing Gaskets
307979	1 Case w/ 1,000 Retracting Bearing Gaskets

Stik-Ons™

Stik-Ons are 12-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.
They can be used to hold all low- and medium-density blanket and board insulation in applications where the temperature will not exceed 150°F (65°C). Clips are included.

Part Numbers:

308155	1 Case w/ (500) ¾" Pins
308156	1 Case w/ (500) 1-¼" Pins
308158	1 Case w/ (500) 1-¾" Pins
308159	1 Case w/ (500) 2" Pins
308160	1 Case w/ (500) 2-½" Pins

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 operating temperatures of 165°F (72°C) and intermittent spikes up to 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:

308081	1 Case w/ (25) Fittings

Dyn-A-Quad Clampmatic™

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

Part Numbers:

308042	1 Case w/ (50) ⅜" Round Quadrants
308044	1 Case w/ (50) ½" Square Quadrants
308043	1 Case w/ (50) ½" Round Quadrants

Dyn-A-Quad™ Double Shear

DynAir Dyn-A-Quad Double Shear quadrant regulators feature a heavy 12GA handle with a U-bend that firmly clamps the front and back of square bearing pins, securing them against the quadrant frame. This unique design ensures a rattle-free performance.

Part Numbers:

308030	1 Case w/ 50 Double Shear Regulator Sets (⅜")
308031	1 Case w/ 50 Quadramatic™ Double Shear Regulators (⅜")
308041	1 Case w/ 50 Quadramatic Double Shear Regulators (½")

Dyn-A-Quad Single Shear

DynAir Dyn-A-Quad Single Shear quadrant regulators feature an off-set 12GA handle that holds square bearing pins firmly, eliminating the potential for roundout wear. The impressive holding power and clamping action of the single shear offers rattle-free performance while the off-set mounting holes allow full operation of all fastening methods.

Part Numbers:

308027	1 Case w/ (50) ⅜" Regulator Sets
308287	1 Case w/ (50) ⅜" Regulator Sets (Long)
308024	1 Case w/ (50) ½" Regulator Sets
308028	1 Case w/ (100) ⅜" Regulators
308025	1 Case w/ (100) ½" Regulators

Stand-Off Regulator

DynAir Stand-Off Regulators provide the necessary clearance on externally lined ducts for up to 2 inches of insulation. Utilizing a reinforced 12GA off-set handle, this precision-stamped regulator can be used with either a ¼" or ⅜" Square End Bearing and features an embossed guide for accurate handle positioning. The Stand-Off Regulator is also available with reinforcement of a Dial-A-Matic dial for better operational strength.

Part Numbers:

305514	1 Case w/ (100) Regulators (For ¼" Shaft)
305516	1 Case w/ (100) Regulators (For ⅜" Shaft)
305518	1 Case w/ (100) Regulators with Dial (For ¼" Shaft)
305520	1 Case w/ (100) Regulators with Dial (For ⅜" Shaft)

Gripple

Gripple Fasteners are versatile hangers that are up to 6X faster to install than traditional hanging systems and are aesthetically discreet. Kits consist of a 10' cable with 1 pre-looped and crimped end, along with a Gripple fastener. The pre-looped end requires only 1 fastener to be used and saves time on the jobsite.

Part Numbers:		Max. SWL
317296	1 Case w/ (50) #3 Fasteners	200-lbs (91-kg.)
317346	1 Case w/ (50) #2 Fasteners	100-lbs (45-kg.)
317302	1 Case w/ (10) Belt Clips w/ Flag Keys	
318112	(1) Cable Rope Cutter	
317297	1 Spool w/ 1/8" (#3) x 500' Cable	
317348	1 Spool w/ 5/64" (#2) x 500' Cable	
333208	1 Case w/ 100 #2 Fastener Kits	100 lbs. (45 kg)
333209	1 Case w/ 50 #3 Fastener Kits	200 lbs. (91 kg)

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:	
307981	1 Case w/ 100 Sets
307982	1 Case w/ 100 Sets (Long)
307983	1 Case w/ (100) ¼" Regulators
307984	1 Case w/ (100) ¼" Regulators (Long)

Access Door Handles

DynAir Access Door Handles offer aesthetic appeal paired with excellent functionality. 2 Steel and neoprene washers guarantee airtight performance, while the strong zinc-alloy casting ensures durability and longevity. Recommended for doors/door frames up to 2" thick (1-5/8" with collar) and 48" x 48" wide.

Part Numbers:	
308099	1 Case w/ 25 Sets (3/8" Shaft)
308100	1 Case w/ 25 Sets (½" Shaft)

Heavy Duty Access Door Handles

DynAir's Heavy-Duty Access Door Handles are versatile and industry-leading for use with equipment cabinets with door thicknesses of up to 4". They feature high-strength ZAMAC 3 mounting plate and door pull/stop. The handle is designed with a ½" diameter, cold rolled steel, zinc plated, and is fully secured with a flat-milled, threaded shaft with a knurled set screw. The threaded shaft accepts ½" x 13 threaded locknut. The door handles include an inner handle safety feature, a leak-resistant neoprene washer, and is also available with a square-head set screw.

Part Numbers:	
308101	1 Case w/ 10 Sets (For 2" Doors)
308102	1 Case w/ 10 Sets (For 3" & 4" Doors)
308320	1 Case w/ 10 Nickel Plated Sets (For 2" Doors)
308321	1 Case w/ 10 Nickel Plated Sets (For 3" & 4" Doors)

Swivel-Lok & A-1 Fastener

Swivel-Lok features a dependable closure for smaller access doors, panels, 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:	
308098	1 Case w/ (50) Swivel-Loks
309068	1 Case w/ (100) A-1 Quick Release Fasteners

Choose DynAir and Connect With The Best

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 adhesive 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/ (12) 10.3 oz. Cartridges (Aluminum)
309981	1 Case w/ (12) 10.3 oz. Cartridges (White)
309982	1 Case w/ (12) 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 (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" 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	1 Case w/ 12 Guns

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	1 Spray Extrusion Kit

Duct Protection Film

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. These can accumulate in the duct and lead to poor indoor air quality. It is highly conformable and puncture resistant. The adhesive system contains antibacterial agents and is designed for use on metal substrates which allows for clean residue free removal.

Part Numbers:

326151	(1) 24" x 200' Roll
326153	(1) 36" x 200' Roll
326154	(1) 48" x 200' Roll

Rolled Sealant Squeegee

The Hardcast squeegee has a twin rib design for easy handling and pressure control for the application of Hardcast pressure-sensitive rolled mastic sealants. Use the Hardcast squeegee for smoothing out wrinkles and bubbles that might form in the application of the rolled mastic sealant. Use positive pressure to insure a flat surface and maximum adhesion to eliminate air leakage coming in or out of the transverse joints and longitudinal seams. The flexibility of the squeegee will allow the rolled mastic sealant to conform to angle changes and penetrations into joints and seams. Each case is shrink-wrapped for easy setup and contains 25 squeegees.

Part Numbers:

305900	1 Case w/ (25) Blue Squeegees
305598	1 Case w/ (25) Green Squeegees

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	1 Case w/ (18) 3" x 150' Rolls

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	1 Deluxe Mobile Sealant Delivery System
321400	1 Standard Mobile Sealant Delivery System
317700	1 Jr. Mobile Sealant Delivery System

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	1 Case w/ (12) 15-oz. Cans

Products That Perform From A Company You Can Trust

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 Hardcast.

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 it's been applied.

Spray-Seal Specification/Standards Compliance

Property	Method	Results
Freeze Thaw & Heat Cycling	ASTM C731	Pass
Slump Test	ASTM D2202	Pass
VOC Limitation	SCAQMD Rule 1168	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
City of Los Angeles Approval RR #8069		Pass
Interior Finishes U.S. Coast Guard	46 CFR 164.012	Approved

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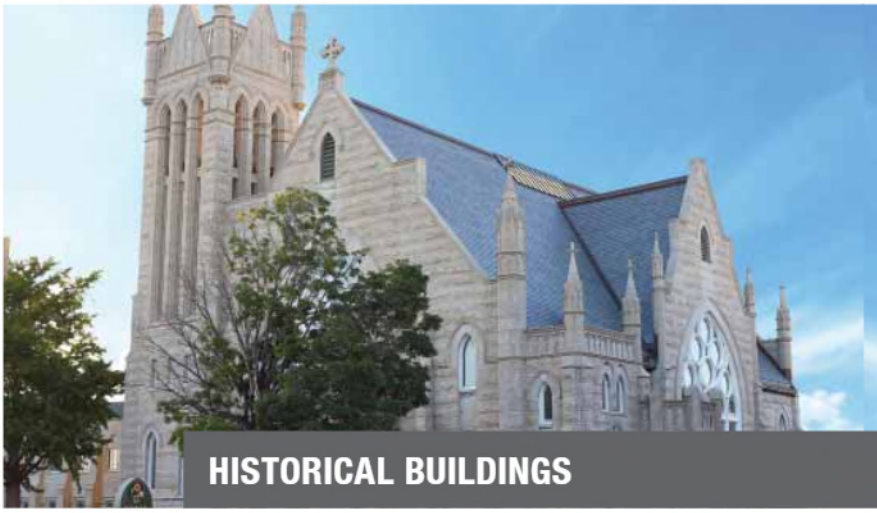

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