

DuctCoat™

PROTECTION SYSTEMS



DuctCoat™ Protection Systems is a
division of MKT Metal Manufacturing

INNOVATIVE | PROGRESSIVE | CONSISTENT

460 Grim Lane, Suite 2, York, PA 17406 | MAIN 717-764-9090 | FAX 717-764-8182 | kbrown@mktduct.com | mktduct.com



DuctCoat™ Protection Systems by MKT Metal Manufacturing

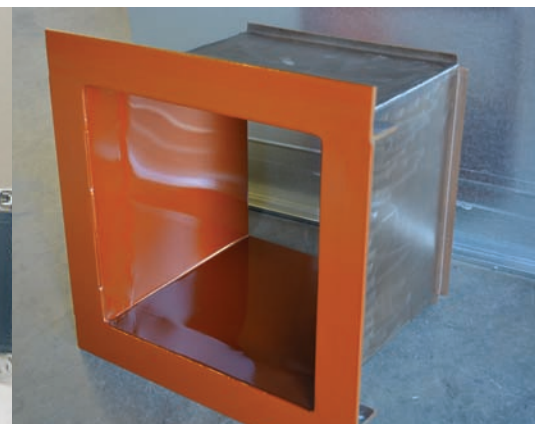
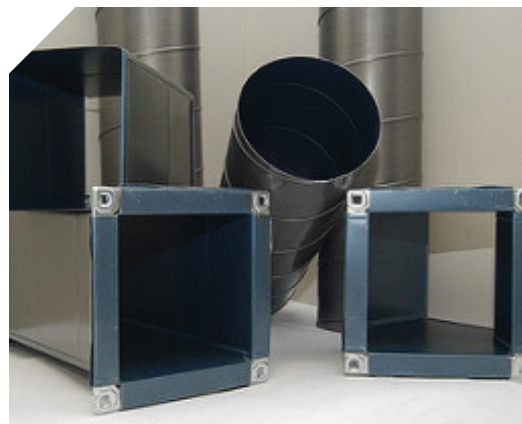
DuctCoat™ uses compatible components to easily integrate with existing systems and other similar manufactures. DuctCoat™ shines as a stand alone provider or one that can help when other manufactures have difficulty meeting deadlines.

If your company has a process that includes exhausting fumes or odors, **DuctCoat™** can provide necessary coatings for duct systems. Whether in food processing, semiconductor, refinery, pharmaceutical or industrial setting **DuctCoat™** has the specific coating for the application. Protection against moisture, heat, chemicals, microbial growth or a combination of conditions.

All coatings are applied to ductwork using certified industry standards. Testing will be provided on some coatings to show adherence and/or conductivity. Job samples available on request.

Protection Systems

- **AgionCoat™**
Microbial growth suppression
- **CeramCoat™**
Heat and chemical resistant
- **FLUOROCote™**
Fluoropolymers for clean room exhausts, chemical resistant
- **PhenolCoat™**
Phenolics reliable stand by for basic lab exhaust
- **PVCCoat™**
PVC for chemical, moisture and underground applications



FLUOROCote™
Chemical Atmospheric
Conveyance

One of the coatings DuctCoat™ offers, FluoroCote™ is excellent for use where harsh chemicals are exhausted. Baked on ECTFE is professionally applied to 300 series stainless steel to create a durable combination for removing corrosive fumes, maintaining the integrity of the duct system

INDUSTRIAL USES

- Chemical Processing
- Clean Rooms
- Food Processing
- Hospitals
- Institutional
- Laboratories
- Municipal Waste
- Water Plants
- Pharmaceutical
- Semiconductor
- Tool Hook Up

FLUOROCote™ SPECIFICATIONS

SYSTEM CLASSIFICATION

Standard construction is SMACNA Class 1 Industrial Duct, for up to -6inch WG. DuctCoat™ can be customized to other customer specifications. DuctCoat™ meets requirements set by the state and federal entities.

ANGLE FLANGE

Van Stone Type 304 Stainless steel built in accordance with SMACNA Industrial Duct Construction Standards.

INTERIOR COATING

HALAR-ECTFE Fluoropolymer electrostatically applied powder coating.

SUBSTRATE MATERIAL

All metal used on all straight duct and fittings is 300 series (304L or 316L) stainless steel, as specified by design.

GASKET MATERIAL

Gore-TEX® joint sealant is recommended for all gasket fittings

FITTING DESIGN

Standard fitting dimensions are per SMACNA Industrial Duct Construction Standards. Special fittings can be customized to other customer specifications.

DuctCoat™ Protection System products highest standards are held by their own quality control guidelines through MKT Metal Manufacturing.



There is a two step process in the manufacture of Fluorocote Systems. First the straight pipe and fittings are manufactured, cleaned and prepped for coating. Secondly, the coating is applied per specification.

METAL PROCESSING

All DuctCoat™ straight pipe and fittings are manufactured for DuctCoat™ by MKT Metal Mfg. MKT adheres to SMACNA Class 1 Industrial guidelines. All welds are TIG. Straight welds are done on automated seam welders. Quality is priority—all welds are inspected and cleaned. Production is done with state-of-the-art, CNC driven machinery Including:

- Precision laser cutting
- Seam welding beds
- CNC brakes
- CNC punches

MKT production personnel are certified welders.

FLUOROCote™ COATING

The coating process maintains high industry standards. Quality control is imperative. All applicators are trained to certify all coatings are acceptable. All surfaces are cleaned and pretreated prior to coating.

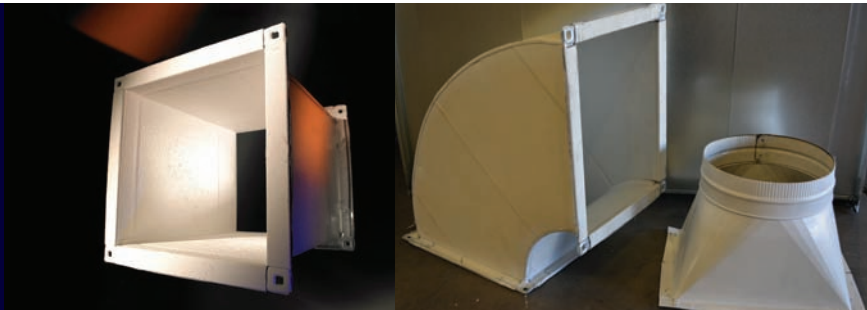
- Maximum processing temperature 650°F
- Mechanical Abrasion: Sandblasting with Aluminum Oxide
- Primer Applied: Solvay Solenix Halar Primer
- Topcoat Applied: Solvay Solenix Clear Halar (ECTFE)
- Inspection for Appearance: Visual—No runs, blisters air entrapment, etc.
- Inspection for Thickness: 0.020” average thickness as measured by a QNIX 7500 eddy current gauge
- Inspection for Continuity (Pinholes): Spark tested at 1KV DC using an Elcometer Spark Tester

SMACNA CLASS 1 Industrial Guide, -6 WG Class

DuctCoat™ will manufacturer all components including straight duct, elbows, and other fittings, to SMACNA Class 1 Industrial Guide, -6WG Class, Specifications. Submittals are in progress.

See some of our pieces below. For a complete listing, please request the DuctCoat™ Ordering Guide.

- Straight Pipe - 47''
- Multi-Gore Elbows in Varies Degrees
- Reducers
- Offsets
- Dampers
- End Caps
- Wyes
- Tees



**CAD Support Services
are available upon
request for on-site
design and coordination.**

ACCESSIBILITY

Located in York, Pennsylvania, DuctCoat™ is made by MKT Metal Manufacturing. Location is everything and York is the perfect “hub of the wheel”, giving access to some of the best demographics in the US. York is also one of top manufacturing centers in the US with a extensive labor and process pool. Travel routes to ship anywhere in US make it affordable to deliver coast to coast. Major east coast ports makes it possible to ship internationally as well.

DUCTCOAT™ Clean Field Assembly

FluoroCote™ is best considered as a system. Easily designed to facilitate placement of Tooling by using various components without the need to cut or weld in the field, especially in critical “clean” areas. This avoids downtime and potential contamination as well as disturbing the integrity of existing coated duct.

DUCTCOAT™ CAD Support Services

DuctCoat™ CAD Support Services include on-site design consultation and coordination. CAD generated layouts are fully labeled with numbered parts and tags, ensuring the installer can work completely from the fabrication drawing. DuctCoat™ strongly believes on-site fabrication should be minimized to reduce contamination and production delays, on site planning permits coordinated modular pre-assembly. Perfect planning = perfect placement.

DUCTCOAT™ RE-Purposing

By pre-planning a system, pieces may be used over again for other processes. Should a piece have been “tapped” or reconfigured in the field its ability to be used again is diminished. It also may corrupt the integrity of the baked on lining.

DUCTCOAT™ Quality Control

All finished system components are identified, tagged and given thorough inspection before transport. Pieces are protected in shipping with protective packaging. Should any item arrive in a damaged state, immediate production and quick ship of the replacement part goes into process.

All statements, information, and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty, or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use will provide the same results. The user should not assume that all safety measures are indicated, or that other measures may not be required.