



Selection and Specification Guide for HVAC and Sheet Metal Adhesives, Sealants and Coatings

Since 1956, Foster has been manufacturing adhesives, sealants and coatings for the Heating Ventilation Air Conditioning (HVAC) Industry. Our commitment to quality has allowed us to deliver superior performing products and value for over 50 years.

Today, Foster offers a variety of water-based, LEED® compliant products and solvent-based products to meet the diverse application requirements within the HVAC industry. To obtain more information about Foster products, visit us at www.fosterproducts.com.

Water-based, Low VOC Adhesives, Sealants and Coatings (LEED compliant)

- Duct Liner Adhesive
- Coil Line Adhesive
- Duct Closure Mastic
- Coating and Lagging Adhesive
- Duct Sealant

Accessories

- Reinforcing Membrane

Solvent-based Adhesives and Sealants

- Duct Liner Adhesive
- Spray Adhesive
- Duct Sealant
- Pumpable Cold Sealer

SEALANTS AND COATINGS				Metal Duct	Fiberglass Duct Board	UL Classified	UL 181: A or B	Meets NFPA Standard 90-A and 90-B	Meets All SMACNA Pressure Classes	Application B = Brush S = Spray E = Power Extrusion C = Cartridge	Clean-up W = Water S = Solvent	VOC* LEED® Compliant VOC Content: g/L (less water)
Product	Description	Base										
		Solvent	Water									
DUCT SEALANT												
High Velocity 32-14 (gray)	SB Duct Sealant	•		•	•	•	•	•	•	B, C, E	S	na
SAFETEE™ 32-17 (gray)	Fibrated Duct Sealant		•	•	•	•	B	•	•	B, C, E	W	45
DUCT-FAS™ 32-19 (gray)	Non-Fibrated Duct Sealant		•	•	•	•	B	•	•	B, C, E	W	<28
VAPOR-SAFE® 95-90/91 (off-white)	Duct Closure Mastic		•	•	•	•	A/B	•	•	B	W	26
VAPOR-SAFE® 95-96 (white)	Duct Closure Mastic		•	•	•	•	A/B	•	•	B	W	27
PUMPABLE COLD SEALANT												
Pumpable Cold Sealer 10-42 (tan)	Pumpable Cold Sealer	•		•					•	E	S	na
COATINGS												
LAGFAS® 81-42W (white)	Lagging Adhesive & Coating		•	•	•	•		•	na	B, S	W	<10
VAPOR-FAS™ 30-65 (white)	Vapor Seal & Duct Closure		•	•	•			•	na	B	W	38

LINER ADHESIVES				UL Classified	NFPA Standard 90-A and 90-B	ASTM C916 (Type)	Application B = Brush R = Roller SS = Spatter Spray PS = Paint Spray M = Duct Liner Machine	Clean-up W = Water S = Solvent	VOC* LEED® Compliant VOC Content: g/L (less water)
Product	Description	Base							
		Solvent	Water						
COIL LINE ADHESIVE									
LINE-FAS® 85-00 (white)	Coil Line Adhesive		•	•	•	II	B, R, SS, M	W	5
LINER ADHESIVES									
S.M. Adhesive 81-10 (green)	Economical Duct Liner Adhesive	•		•	•	IV	B, R, SS, M	S	na
Duct Liner Adhesive 82-00 (red)	Economical Duct Liner Adhesive	•			•	IV	B, R, SS, M	S	na
DUCT-FAS® 85-22 (red)	Smooth Spraying Adhesive	•		•	•	IV	B, R, PS, M	S	na
DUCT-FAS® 85-23 (blue)	Non-Flammable Solvent Adhesive	•		•	•	II	B, R, PS, M	S	na
FOS-STIK™ 85-45 (clear)	Aerosol Adhesive - Web Spray	•				IV	SS	S	<55%
Pressure Sensitive Adhesive 85-50 (clear)	Pressure Sensitive Adhesive		•		•	II	B, R, PS	W	1
QUICK-TACK™ 85-60 (white)	Fast Tack - WB Adhesive		•	•	•	II	B, R, PS	W	4
JAC-TAC® 85-62 (black)	WB Duct Liner Adhesive		•	•	•	II	B, R, PS, M	W	6
STIC-FAS™ 85-65 (gray)	WB Duct Liner Adhesive		•	•	•	II	B, R, PS, M	W	2

*Items listed with VOC content (g/L) meet LEED requirements

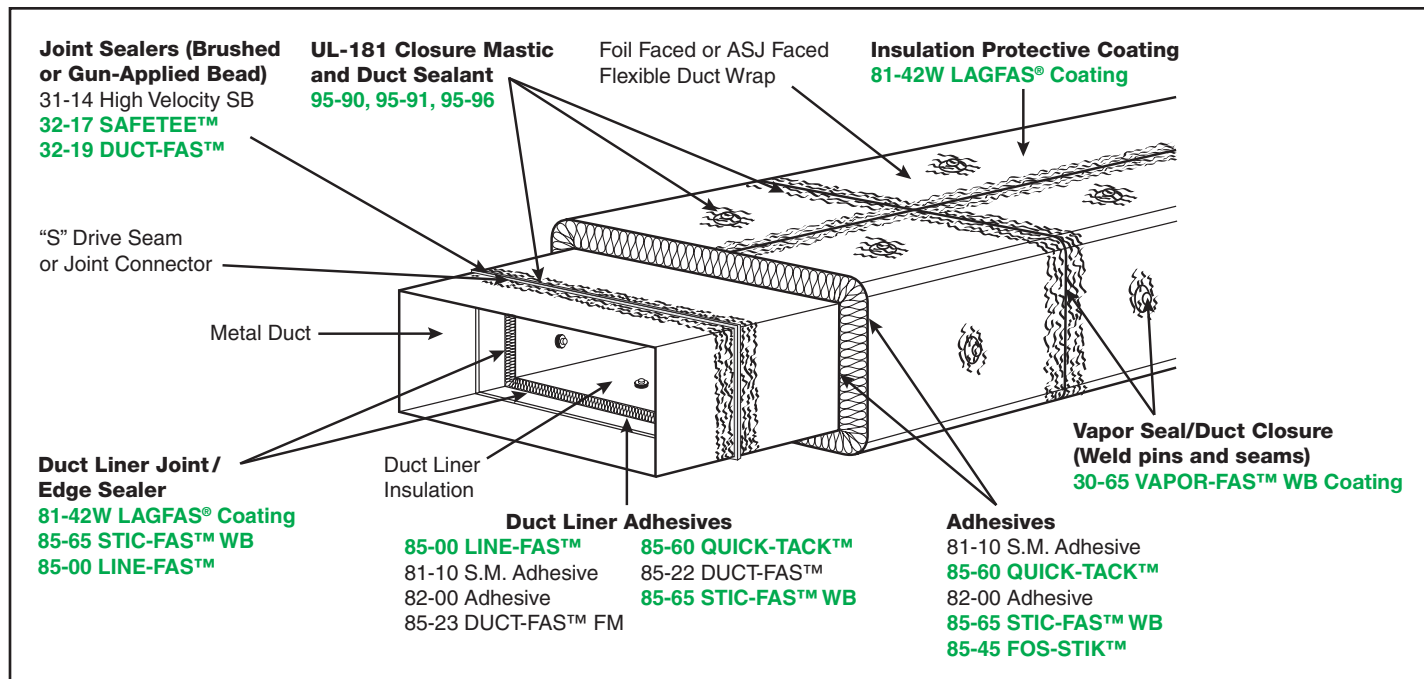
The following diagram illustrates where Foster products would be applied in a typical metal duct system.

LEED Compliant Products are shown in green.

These products contribute to the U.S. Green Building Council's LEED project requirements in one of two categories:

- LEED IEQ Credit 4.1, Low-emitting Materials, Adhesives and Sealants
- LEED IEQ Credit 4.2, Low-emitting Materials, Paints and Coatings

Foster products may also contribute to LEED (MR) Material and Resource Credit(s). Requirements in this section will vary by LEED Rating Systems. Point(s) are earned based on specified percentages – the % regionally manufactured and/or the % extracted/processed/harvested, as well as manufactured within 500 miles of the project site. Percentages are determined using the dollar value based on weight.



What is LEED?

LEED stands for LEADERSHIP in ENERGY and ENVIRONMENTAL DESIGN. The U.S. Green Building Council's LEED rating system is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings, providing building owners and operators the tools they need to have an immediate and measurable impact on their buildings' performance. The LEED rating system's whole-building approach recognizes and promotes performance in five key areas of human and environmental health: sustainable site development, water savings, energy efficiency, materials selection, and indoor environmental quality.

Below are examples of LEED requirements pertinent to Foster and what is required to earn LEED project certification points.

IEQ Credit 4.1 Low-Emitting Materials: Adhesives and Sealants

To earn 1 certification point, the VOC content* of all adhesives and sealants used in the project must be less than the current VOC content limits of South Coast Air Quality Management District (SCAQMD) Rule #1168, as shown:

Adhesives:	Contact Adhesive: 80 g/l	Sealants:	Architectural: 250 g/l
	Fiberglass Adhesive: 80 g/l		Other: 420 g/l

IEQ Credit 4.2 Low-Emitting Materials: Paints and Coatings

To earn 1 certification point, the VOC content* of all paints and coatings used in the project must not exceed the VOC and chemical component limits of Green Seal's Standard GS-11 requirements, as shown:

Interior Coatings:	Non-Flat: 150 g/l	Exterior Coatings:	Non-Flat: 200 g/l
	Flat: 50 g/l		Flat: 100 g/l

*VOC Content less water and exempts/solvents

NOTE: The information and recommendations provided herein are general in nature and scope. Always refer to the Product Data Sheet for complete information and recommendations to insure proper product selection. Adhesive use should always be predicated upon or determined by the user testing the suitability of the adhesive for the particular insulation and desired application.