

AF607FR1

COMMERCIAL GRADE DUCT SEALANT
W/ FIBER REINFORCEMENT



CERTIFICATION

TECHNICAL DATA



UL LISTED
on all sizes



DOMESTIC PRODUCT
Proudly made in the USA



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**AF607FR1**

COMMERCIAL GRADE DUCT SEALANT W/ FIBER REINFORCEMENT



AF607FR1 Commercial Grade Duct Sealant w/ Fiber Reinforcement is a water-based, UL 181B-M Listed duct sealant, designed for sealing metal to metal joints to prevent air leaks in air conditioning, refrigeration, ventilation and air distribution systems and seams of sheet metal air ducts, and UL listed flexible duct.

Made in the USA



KEY BENEFITS

- UL® Listed
- Indoor and outdoor use
- Non-Flammable
- Water Based
- Ultraviolet ray & ozone resistant
- Paintable
- Easy to apply
- Non-slump
- Good unprimed adhesion to most common construction substrates
- Very low VOC content
- Extremely flexible - ASTM D522 (1/8" Madrel Bend) Pass
- Made in the USA

CLASSIFICATIONS

- LEED Compliant, meets all applicable SCAQMD standards
- UL 723 Classification
- UL 181B-M Listed
- USC - Classification Applied to Inorganic Reinforced Cement Board + FHC 25/50
 - Tested as applied in two 2 in. wide strips spaced 8 in. on center covering 22.2% of the exposed test sample area at a coverage rate of 25 ft²/Gallon.
- CNC - Classification Applied to Inorganic Reinforced Cement Board + FHC 25/50
 - Tested as applied in two 50 mm (2in.) wide strips spaced 200 mm (8in.) on center (covering 22% of the exposed test sample area) at a coverage rate of 0.61 to 0.73 m²/L (25 ft²/gal).
- The FHC 25/50 "Fire Hazard Classification": indicates that the labeled material has a flame spread of 25 or less and a smoke developed of 50 or less as tested per UL723 or equivalent.
- Meets all SMACNA pressure classes
- Conforms to requirements of NFPA 90A and 90B
- TVOC Emissions: CDPH Standard Method v1.2=Private Office - Pass; School Classroom - Pass

APPLICATION AREAS

- For applications up to 15" w.g.
- Suitable for sealing metal to metal joints to prevent air leaks in air-conditioning, refrigeration, ventilation and air distribution systems.
- Sealing of joints and seams, or at certain areas where requirements for fire resistance are mandatory

RESTRICTIONS

- Damp or humid conditions will significantly extend the cure time.
- Do not apply below 35°F (1.6°C)

STORAGE & SHELF-LIFE

Store at temperatures between 35 F–110 F. WARNING: DO NOT FREEZE or apply at freezing conditions, If frozen completely thaw prior to use. Passes 5 freeze/thaw cycles. 1 year unopened shelf life.

SAFETY & DISPOSAL

Bears no imminent risk to health. Check MSDS guidelines for disposal and further information concerning safety.

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**PROPERTIES****TABLE 1: AF607FR1 COMMERCIAL GRADE DUCT SEALANT**

BASIS	ACRYLIC DISPERSION
Color	Gray or White
Density	11.2 ±.2lbs per gallon
Solid Contents	66% ±2%
Viscosity	275,000 ±25,000 c.p.s.
VOC Content	ASTMD3690-05(13) - 1.3 g/L
Application Temp	35°F to 100°F
Service Temp	-25°F to 220°F
Storage Temp	35°F to 110°F
Dry To Touch	1 hour (approx.)
Cure Time	24 to 72 hours + (depending on humidity, application, and temperature)
Coverage	25 sq.ft/gal at 1/16"; 50 sq.ft/gal at 1/32"
Odor	Mild (Wet); None (Dry)
Mold Resistance	UL 181B Mold & Humidity Test - Pass
Adhesion Strength Per UL 181B Peel Adhesion	Pass/Exceeds Standards
Water Resistance	Excellent
Flexibility	ASTM D522 (1/8" Madrel Bend) Pass
Freeze Thaw Stability	Pass
Recommended w.g.	Up to 15" w.g.

INSTALLATION INSTRUCTIONS

- Directions for Use: Do not thin. For best results store at room temperature at least 24 hours before applying. Surfaces should be clean, dry and free of any dirt, oil, grease, water or other foreign matter. Do not apply when rain or freezing temperatures will occur within 36 hours.
- When Used in Conjunction with Metal Air Ducts: Apply to duct connections according to all applicable SMACNA standards. Apply to the inside of female fittings and the outside of male fittings at a rate of 50 sq. ft. per gallon (1/32" thick). Cure time is 24–72 hrs. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations.
- When Used in Conjunction with UL-181 Listed Flexible Duct: Apply at a rate of 25 sq. ft. per gallon (1/16" thick). Cure time is 24–72 hrs. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations. Use with mechanical fasteners per air duct installation instructions.
- When Used in Conjunction with Duct Cover: Allow sealant to fully cure before encapsulating duct ends with duct film or any duct cover product. You may set the duct upright on a pallet and encapsulate just the top, allowing air to flow through bottom until sealant has cured.

TABLE 2: CONSUMPTION INFORMATION

	CONSUMPTION (APPROX.)				
Joint Width	5mm (0.2in)	10mm (0.4in)	15mm (0.6in)	20mm (0.8in)	25mm (1in)
Joint Depth	3mm (0.1in)	5mm (0.2in)	8mm (0.3in)	10mm (0.4in)	12mm (0.5in)
Efficiency / 310mL	20 meters (65.6ft)	6 meters (19.7ft)	2.5 meters (8.2ft)	1.5 meters (4.9ft)	1 meter (3.3ft)



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ORDERING INFORMATION

TABLE 3: AF607FR1 COMMERICAL GRADE DUCT SEALANT ORDERING INFORMATION

PART NUMBER	SIZE	QTY/BOX
12AF607FR1	1 Gallon	4

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.