

## IAQ 8500

### HVAC Sealant

#### Product Description

**8385-Black**

IAQ 8500 sealant is a high performance coating for use in duct work. This high-build coating is designed to bridge and reinforce duct liner or duct board insulation materials. IAQ 8500 can also be used to seal unlined duct work prior to component removal, preventing fiberglass and inanimate particulate from becoming airborne. IAQ 8500 dries to form a durable, flexible, moisture-resistant protective coating with a semi-gloss finish that minimizes dirt buildup on the coating surface. The high viscosity provides maximum bridging ability on insulation materials and reduces sagging and dripping when applied to the vertical and top surfaces of unlined duct. IAQ 8500 contains a fungistatic agent to resist mold growth on the dry coating surface.

Successfully tested to ASTM standard C-411 "Hot Surface Performance of a Coating on Glass Fiber Blanket Insulation". ASTM E-84 Class A fire rating. Meets requirements of NFPA 90A/90B standard. Additionally, IAQ 8500 was tested in accordance with the procedures outlined in ASTM G 21 and received a No. 0 rating (No fungal growth, 0% growth on the specimens).

#### Application Information

##### SURFACE PREPARATION

Warning! If you scrape, sand, or remove old paint from any surface, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

Clean and remove all dust and loose particulate from ductwork, being careful not to damage insulation. Follow duct manufacturer's instructions for proper cleaning.

##### APPLICATION TOOLS

Apply IAQ 8500 with brush, roller or airless spray equipment.

Brush: Synthetic, nylon or polyester bristle

Roller: Synthetic Fiber 3/8" nap or longer

Spray Settings:

Pressure: 2500-3000 P.S.I.

Tips: .019 to .023 tips

##### PRODUCT APPLICATION

Prior to application, mix thoroughly to achieve a uniform consistency. Apply IAQ 8500 to all surfaces by brush or airless spray. Application rate will vary depending on porosity of the insulation. Apply one coat by airless spray, or two coats by brush. Porous surfaces may require additional coats. Ensure that surfaces are completely sealed. Circulate fresh air through the HVAC system to help dry the coating. Exhaust air outside the building. IAQ 8500 can be applied using HVAC robotic spray

applicators (contact Fiberlock for more information.)

##### COVERAGE

Smooth Surfaces: 200-600 sq. ft./gal.

Porous Surfaces: 75-175 sq. ft./gal.

##### DRYING TIME @ 70°F 50% R.H

To Touch – 1-2 Hours

Recoat – 4-8 Hours

##### CLEANUP

Clean tools and drippings with warm soapy water before IAQ 8500 dries. Dispose of all waste according to all existing local, state, and federal regulations.

##### PRECAUTIONS

Store in a dry place at temperatures between 40°F (4.5°C) and 90°F. (32°C). Stir thoroughly. Do not mix with any other coatings, solvents or colors in oil. The IAQ 8500 coating is resistant to mold only on the surface of the coating. No mold resistance claim is made other than to the coating itself. The use of this product does not protect users or others against food-borne or disease-causing bacteria, viruses, germs or other disease-causing organisms. Do not apply when air or surface temperature is below 50°F, or when drying conditions are poor or when surfaces are above a 15% moisture level content. Use adequate ventilation during application. When

#### Properties

##### Product Specifications

Solids by Weight ± 2%:	50%
Solids by Volume ± 2%:	39.9%
Viscosity at 70°F:	105-110 Kreb Units
Specular Gloss:	74° ± 4 @ 60°
Flash Point:	Non-combustible
Shelf Life:	36 Months Min. (Original Sealed Container)
Calculated VOC:	89 grams/liter

IAQ 8500 complies with the requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings.

##### Coverage

Smooth Surfaces:	200-600 ft <sup>2</sup> /gal
Porous Surfaces:	75-175 ft <sup>2</sup> /gal

##### Drying Times (@ 70 - 77°F , 50% R.H.)

To Touch:	1-2 hours
To Recoat:	4-8 hours
Minimum Application Temp:	50°F (10°C)

##### Available Package Sizes

5 gallon containers	
Weight Per Gallon ± .5 lbs:	10 lbs/gal



## Application Information

applying with a sprayer, wear a NIOSH approved respirator with any R, P, N or HE filter. For interior use only. Check with local building code enforcement authority for any additional requirements.

### **CAUTION!**

#### **KEEP OUT OF REACH OF CHILDREN.**

Do not take internally. Close container after each use.

Keep from freezing.

Store between 40°F (4.5°C) and 90°F (32°C)

24 hour Emergency "CHEM-TEL" - 800.255.3924

### **Fiberlock Products and CPVC Compatibility**

Manufacturers of chlorinated polyvinyl chloride ("CPVC") pipe believe that it can be sensitive to or incompatible with chemicals found in many commonly used household and industrial cleaning products, coatings, adhesives and other compounds, and that those chemicals can cause stress cracks or pipe failure. Fiberlock recommends that users always check pipe for markings that indicate the type of material it is made of and that users contact the pipe manufacturer directly before applying any Fiberlock products to CPVC pipe.

## **For Technical Information call 800.342.3755**

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