

IAQ 8500™

HVAC Insulation Sealant



Product Description

8385-Black

IAQ 8500 is a dual-purpose, high performance coating designed for use in ductwork. IAQ 8500 is designed to reinforce duct liner or duct board insulation materials. IAQ 8500 can also be used to seal unlined ductwork prior to component removal, preventing microbial particulate from becoming airborne. IAQ 8500 is a non-flammable, water-based formulation that forms a flexible membrane in duct liner insulation materials. IAQ 8500 is high in viscosity to provide maximum bridging ability on insulation materials. IAQ 8500 is manufactured from premium acrylic resins to allow for optimal durability and flexibility necessary for air duct environments. Successfully tested to ASTM standard C-411 "Hot Surface Performance of a Coating on Glass Fiber Blanket Insulation". ASTM E-84 Class "I" fire rating. Meets requirements of NFPA 90A/90B standard. Check with local building code enforcement authority for any additional requirements.

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 and 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.

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

APPLICATION TOOLS

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

TOOLS

Brush: Synthetic, nylon or polyester bristle
 Roller: Synthetic Fiber 3/8" nap or longer
 Spray Settings:
 Pressure: 2000-3000 P.S.I.
 Tips: .017 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 7000 can be applied using HVAC robotic spray applicators (such as Lloyds Systems MicroInspector® and Omnibot™ robotic product lines.)

DRYING TIME @ 70°F 50% R.H.

To Touch – 1-2 Hours
 Recoat – 4-8 Hours

COVERAGE

Unlined Duct Work: 600 sq. ft./gal.
 Porous Duct Liner: 75-175 sq. ft./gal.

CLEAN UP

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

Stir thoroughly. Do not add solvents, oils or colors in oil, or mix with other coatings. Do not apply when air or surface temperature is below 50°F or when drying conditions are poor. Use adequate ventilation. This product meets the requirements for coatings and sealants used within HVAC that do not make an antimicrobial

Properties

Product Specifications	
Solids by Weight ± 2%:	50.0%
Solids by Volume ± 2%:	39.9%
Viscosity at 70°F:	105-110 Krebs Units
Specular Gloss:	74° ± 4 @ 60°
Flash Point:	Non-combustible
Shelf Life:	36 Months Min. (Original Sealed Containers)
Calculated VOC:	89 grams/liter
IAQ 8500 complies with the requirements for LEED® EQ Credit 4.2, low-emitting materials: paints and coatings.	
Coverage	
Unlined Duct Work:	600 ft²/gal
Porous Insulation:	75-175 ft²/gal
Drying Times (@ 70 - 77°F , 50% R.H.)	
To Touch:	1-2 hours
To Recoat:	4-8 hours
Minimum Application Temperature:	50°F (10°C)
Available Package Sizes	
5 Gallon Containers	
Weight Per Gallon ± 0.5 lbs:	10 lbs/gal



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performance claim as found in Reference Guide Chapter 12 HVAC Remediation of the IICRC S520 Standard and Reference Guide for Professional Mold Remediation (ANSI-IICRC S520-2008, Second Edition, page 187, Paragraph 3).

This product is also useful as a solution when taking “corrective action” in accordance with Tables 5-1 (Air Distribution Systems) and 5-2 (Air Handlers) of ANSI/ASHRAE/ACCA Standard 180-2008 Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems.

It is always recommended to consult with a qualified Indoor Environmental Professional (IEP) or a similar consulting professional before beginning any HVAC remediation project. HVAC sealants should not be applied over or to cover up existing mold. Source removal of mold and the correction of moisture intrusion should always be conducted prior to the use of any sealant in HVAC. The primary purposes of this product are to provide a surface that is not conducive to capturing or retaining particulate that could support future microbial activity, smooth the bore of HVAC to enhance airflow, and improve future cleaning capability. This product contains an EPA-registered active ingredient to deter future fungal activity on or in the coating film. However, inhibition of future microbial activity is dependent on proper maintenance.

CAUTION!**KEEP OUT OF REACH OF CHILDREN.**

FOR INTERIOR USE ONLY.

Do not take internally. Close container after each use.

Keep from freezing.

24 hour Emergency “CHEM-TEL” - 800.255.3924

For Technical Information call 800.342.3755

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Fiberlock Technologies, Inc., nor its agents shall be responsible for the use or results of use of this product or any injury, loss or damage, direct or consequential. We recommend that the prospective user determine the suitability of this product for each specific project and for the health and safety of personnel working in the area.

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