

File MH49080  
Project 13CA22949

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REPORT

on

Aerosol Duct Sealants

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Centerville, OH

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## DESCRIPTION

## PRODUCT COVERED:

The product covered by this Report is an aerosol duct sealant designated as "DuctSeal".

## INTENDED USE:

The aerosol duct sealant is intended to seal minor holes and gaps within sheet-metal air ducts that are fabricated and installed in accordance with ANSI/SMACNA HVAC Duct Construction Standards - Metal and Flexible. Aerosol duct sealants Material designated as "Duct Seal".

These sealants have been investigated in accordance with UL 1381, "Outline of Investigation for Aerosol Duct Sealant" for various characteristics including surface burning, mold growth and humidity, erosion, interior duct burning, leakage reduction, and durability.

These requirements are limited to application in ducts with individual openings no greater than 5/8 in. diameter, and seam/joint openings no greater than 5/8 in. across. These sealants are not intended for use as a substitute or to supplement mechanical attachment in the sheet-metal duct systems. These sealants are not intended for use with rigid fiberglass ducts, flexible-wire helix ducts, or spirally wound metal ducts not complying with SMACNA Standards.

"DuctSeal" aerosol duct sealant is intended only for use with AeroSeal's Gen II System or HomeSeal System spray equipment in strict accordance with the accompanying installation instructions. The products are to be applied by trained professionals.

This evaluation in accordance with UL1381 is intended to satisfy "alternate materials and methods" provisions of the Codes where aerosol ducts sealants may not be specifically addressed.

## CONSTRUCTION MATERIALS:

A detailed description of the specific construction, the composition and the specifications of the materials used are on file at UL LLC.

## TEST RECORD NO. 1

## SAMPLES:

Samples of aerosol duct sealant designated as "DuctSeal" was submitted for evaluation in accordance to UL Subject 1381.

## GENERAL:

The following tests were conducted in order to Certify the "DuctSeal" in accordance to UL Subject 1381, Outline of Investigation for Aerosol Duct Sealant", First Edition.

Test results relate only to the items tested.

Tests	UL 1381
Mold Growth and Humidity Test	Section 7
Leakage Reduction Test	Section 10
Durability Test	Section 11

Testing for Surface Burning Characteristics (Section 6) was not conducted based on the use of an UL Classified product currently Classified under File R16056, Flame Spread 0, Smoke Developed 0.

Testing for Erosion Test (Section 8) and Burning Test (Section 9) were not considered necessary based on the results of previous investigations.

During the Leakage Reduction and Durability Tests, the duct sealant was applied using AeroSeal's Gen II System or HomeSeal System spray equipment in strict accordance with the accompanying installation instructions.

The aerosol sealant used in this investigation was produced under the observation of a representative of UL LLC, in a ready-to-use form. The composition of the finished materials is of a proprietary nature. Data on the composition is on file at the Laboratories for use in the Follow-Up Service Program.

## Test Record Summary:

The results of this investigation, including construction review and testing, indicate that the product evaluated complies with the applicable requirements in the 1st Edition of UL Subject 1381, "Outline of Investigation for Aerosol Duct Sealant", dated August 27, 2013, and therefore, such product is judged eligible to bear UL's Mark as described on the Conclusion Page of this Report.

## CONCLUSION

Samples of the product covered by this Report have been found to comply with the requirements covering the category and the product is found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the sample(s) investigated by UL and does not signify UL certification or that the product(s) described are covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the UL Certification Mark on such products which comply with UL's Follow-Up Service Procedure and any other application requirements of UL LLC (UL) . The Certification Mark of UL on the product, or the UL symbol on the product and the Certification Mark on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Certification and Follow-Up Service.

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