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Aeroseal's New UL Product Certification!



Aeroseal duct sealant has been and continues to be approved to UL 723 which is the standard *“Test for Surface Burning Characteristics of Caulking Materials”*. Some building codes and engineers require UL181A which is the standard for *“Closure Systems for Use with Rigid Air Ducts”* or 181B which is the standard for *“Closure Systems for Use with Flexible Air Ducts and Air Connectors”*. Most building codes and engineers allow for an exception to the standard for alternate methods or materials but require the appropriate documentation to verify the alternate method or material meets the relevant requirements of the standard.

Aeroseal sealant could not be fully certified in accordance with either UL181A or UL181B. The sealant meets or exceeds the applicable test criteria for mold growth, humidity, erosion, and burning but since Aeroseal is neither a tape nor mastic it cannot meet the tensile strength or peel & shear adhesion test components from these standards. A change to the UL181A or B standard to accommodate Aeroseal for the mechanical properties above is not feasible because it would require a consensus agreement among those manufacturers with products are currently listed to the standards.

So instead we have worked closely with UL to design a complete new Certification Program that encompasses all the relevant test requirements in UL181A and B mentioned above and references ANSI/SMACNA *“HVAC Duct Construction Standards”*. The program also includes a very rigorous Leakage Reduction and Durability test protocol based on ASTM Standard E2342-10 *“Standard Test Method for Durability Testing of Duct Sealants”*. The result is the new UL Outline Scope, UL 1381 *“Outline of Investigation for Aerosol Duct Sealant”* to which Aeroseal has been evaluated in accordance with and received a new UL Product Certification of Compliance. UL 1381 is not a consensus standard, but rather a complete UL Certification Program that can be provided to engineers or AHJ's to make a compelling case for Aeroseal as a code compliant, appropriate alternative to UL181A or B specified methods or products.

In the event an engineer or building code official requires UL181 certification to certify the sealant, the attached standard along with the enclosed letter from UL should be enough to satisfy the requirement for an alternative method.

Please feel free to direct any questions about the new product certification to me and I'll be glad to answer them.

Best regards,

Rick Papetti
Aeroseal Product & Application Manager