

AEROSEAL DUCT SEAL DATA SHEET



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AEROSEAL DUCT SEAL

Aeroseal Duct Seal is a stable, non-toxic, non-flammable emulsion of water and vinyl acetate polymer that is aerosolized into 4-10 micron-sized particles and distributed under pressure throughout the inside of the duct system. The particles deposit only at the leak sites and build to form a tenacious and tight air seal, remaining firmly in place for years while staying completely pliable and flexible. Seal remains effective over a wide range of operating pressures, temperatures and humidity levels found in residential, commercial and industrial air duct systems.

TECHNICAL DATA

Packaging	3,79 litre plastic bottle (1 gallon) - 4x1 per case
Colour	Milchig (nass); Transparent (trocken)
Sealant	Milky white (wet); Clear (dry)
Dispersion	Water
Weight	3,7 - 3,9kg lb. per gallon
Solid content	35%-40% max
Viscosity	>1 centistoke @ +20°C
Coverage	0,8 to 2,9 Liter/Hour seal rate
Flexibility	Remains flexible indefinitely
Time to test	Dry to the touch upon application Can test within 10 min. of application
Service temp.	Approximately -29°C bis +249°C
Moisture resistance	Very good
Mildew resistance	Mold & mildew resistant
VOC	<0.35%
Pressure	SMACNA: Up to 10 inches w.g.
Seal Class	Meets SMACNA Seal Class A

APPLICATION

Temperature	-17,8 °C to +43,3°C
Consumption	Internal coverage at all joints, seams and penetrations, 0,8 to 2,9 Liter/Hour seal rate
Clean up	(Liquid) Mild soap and hot water (Dried) Citrus-based cleaner or Buckeye Workout

STORAGE

Temperature	0°C to +48,9°C – DO NOT FREEZE
Shelf life	24 months (2 years)
Flammability	Non-flammable

All information without guarantee

TESTS

VOC (Germany)	The product under investigation meets the requirements according to the „Approval principles for the health-related evaluation of indoor construction products“ (DIBt Announcements 10/2010) in conjunction with the NIK values of the AgBB in the version of June 2012.
VOC (France)	The product has been classified in the VOC emission class A+. The recommendation for the classification is given on the basis of the French regulation for the labelling of construction products or wall coverings, floor coverings, paints and varnishes with regard to the emissions of volatile pollutants, as published on 25 March 2011 (décret DEVL1101903D) and 13 May 2011 (arrêté DEVL1104875A).
VOC (Belgium)	The product under investigation meets the requirements of the „Royal Decree establishing the limit values for emissions into the indoor environment of construction products for certain intended uses (May 2014)“.
Hygiene (Germany)	Meets the requirements of VDI 6022 for microbial innards; suitable for use in HVAC systems
CMR substances (France)	The tested product meets the requirements of the French Directive DEVPO908633A of April 30, 2009 and DEVPO910046A of May 28, 2009.

Property	Test method	Result
Mold Growth	UL1381	No evidence of growth
VOC	CDPH 1.2 (2017)	Passed ($\leq 0.5 \text{ mg/m}^3$)
Accelerated Aging	ASTM E2342-10	Passed
Leakage Reduction	ASTM E2342-10	Passed
Erosion	UL1381	Passed
Burning	UL1381	Passed
Durability	UL1381	Passed


PREPARATION

First, manually repair any leaks found during duct inspection > 15 mm span, and remove accumulated dust/dirt build-up in ducts if > 3 mm span.


NOTE: Ducts can be cleaned after Aeroseal application.

PRECAUTIONS

Use only in well-ventilated areas. Installers should wear dust or fume respirator if inhalation exposure is possible. Fume respirator should have organic vapor-type breathing cartridge if full, prolonged exposure to aerosol is necessary. Keep out of reach of children. Refer to full SDS sheet for health hazard information. (www.aeroseal.com/sds) For use and application by trained Aeroseal professional installers only.



CAULKING AND SEALANTS 32HK
SURFACE BURNING CHARACTERISTICS
 FLAME SPREAD 0
 SMOKE DEVELOPED 0
 * Applied to inorganic reinforced cement board tested as applied at a rate of 400FT² per gallon.



UL 1381
 Outline of investigation for
 Aerosol Duct Sealants.



NSF
 Nonfood Compounds
 P2
 Aerosol Ductseal



NGBS
 GREEN