



Technical Data Sheet

Acrylic Duct Sealant – Gray – 0846DS, 0841DS

Description

A specially formulated water based, gray siliconized acrylic duct sealer for indoor/outdoor use. Suitable for low to high pressure metal air distribution systems, product is non-flammable, provides permanent flexibility, excellent water resistance & sealing characteristics.

Key Features

- Indoor/Outdoor Use
- Permanently Flexible
- Non-Flammable
- Paintable
- Non-Staining
- Mold and Mildew Resistant
- Available in 1/10 gallon cartridge & 1 gallon pails

Uses

Duct sealer applications.

Surface Preparation

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax & old caulking.

Directions

1. Using a brush, cartridge gun or spatula, apply duct sealer to male section of spiral duct or to both fittings in a rectangular duct.
2. Join joints while sealant is still wet (within 10-15 minutes) & secure w/ sheet metal screws applied as close as possible (1/2" or less).
3. Apply duct sealer to outside of assembly using a 2 inch wide band of sealant, thoroughly covering joint head & sheet metal screws.
4. Allow sealant to set (approximately 72 hrs), before pressure testing system for leaks.
5. Do not thin. Cooler temperatures & higher humidity will prolong cure time.

<u>Physical/Performance Property</u>	<u>Test Method</u>	<u>Typical Result</u>
Weight Per Gallon	Gardner Cup	13.75 +/- 1
Specific Gravity	Calculated	1.52 to 1.77
Total Non Volatile % Solids (Weight)	Computrac Analyzer	81% +/- 1
Extrudability/Application (as packaged)	Semco Gun (6 oz @ 50 psi)	9 seconds +/- 3
Consistency/Appearance	Visual Observation	Smooth, viscous paste
Brookfield (as packaged)	Brookfield Viscometer	325,000 cps +/- 75,000
pH (initial)	pH Meter	7 to 9
Odor	Subjective	Mild Acrylic
Base Polymer	Known	Acrylic Emulsion
Pigment	Known	Calcium Carbonate/TiO ₂
Siloxane Adhesion Promoter	Known	Yes
Flash Point	Closed Cup	Greater than 200F; Non-Flammable
Freeze/Thaw Stability	Test Lab 0 F/77 F @24 hrs or ASTM C731	Passes 5 Cycles
Shelf Life	Lab 50 C Oven – Accelerated	Minimum 1 yr @ 72F
Slump	ASTM D2202 Jig	0 to < 0.15 in
Flexibility	Test Lab	Excellent @ 32F; Good @ 0F
Tack Free Time	ASTM D2377	< 1 hr
Storage Conditions	Test Lab	40F to 90F
Application Temperature	Test Lab	40F to 90F
Service Temperature	Lab Oven/QUV/Freezer/OE Fence	-20F to 180F
Tooling	Test Lab/Field Evaluation	Excellent
Paintability	Test Lab/Field Evaluation	Excellent @ 4 to 6 hrs drying – latex, Oil-based @ 24 hrs
VOC Content	Calculated	< 1.5%/wt, < 25 g/L
% Elongation @ Break	Test Lab – D-412	200 to 250%

Clean Up

Water & mild soap

Color

Gray

For Best Results

- Apply in temperatures between 40F (& rising) & 90F
- Store between 40F & 90F, in original container.
- Do not attempt to thin
- Allow 4 to 6 hrs drying before painting, depending upon climatic conditions – latex; 24 hrs drying for oil-based – if painting, use a premium paint

Packaging

HDPE Cartridge (10.1 oz or Bucket (Half Gallon)

Limitations

- Apply only to clean, dry, frost-free surfaces
- Do not apply when rain or freezing temperatures are expected
- Protect from rain & exposure to water for 72 hrs
- Not recommended for below grade applications.

Environmental, Safety & Transportation Information

<u>Criteria</u>	<u>Evaluation Method</u>	<u>Status</u>
<i>CARB Compliance</i>	<i>Documents Review</i>	<i>Yes</i>
<i>Prop 65 Ingredients</i>	<i>Documents Review</i>	<i>Yes (See MSDS)</i>
<i>DOT Proper Shipping Name</i>	<i>Review of Regs</i>	<i>Not Regulated by DOT</i>
<i>DOT Hazard</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>DOT UN/NA Number</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>Packing Group</i>	<i>Review of Regs</i>	<i>N/A</i>
<i>VOC Content</i>	<i>Calculated</i>	<i>< 1.5% by weight, < 25 g/L</i>

CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING. (See MSDS for additional information)

Contains Titanium Dioxide; added to Massachusetts Right to Know List, Minnesota Hazardous Substance List, New Jersey Right to Know List, Pennsylvania Right to Know List & Rhode Island Hazardous Substance List. WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Non-white colors may contain carbon black in color dispersions.

LIMITED WARRANTY

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.

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SEE MSDS FOR ADDITIONAL DATA/INFORMATION