



LUCAS Professional Coatings, Sealants & Adhesives

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#4600 MODIFIED URETHANE LOW/HIGH VELOCITY AIR DUCT SEALANT

#4600 SPECIFICATION

SMACNA Seal Class A, B, C
SMACNA Pressure Class -.5", 1", 2", 3", 4", 6" 10"

PRODUCT DESCRIPTION

Lucas #4600 Modified Urethane Low/High Velocity Air Duct Sealant is new generation of duct sealing technology, non-shrinking, urethane mastic is intended for application to sheet metal and fiberglass air ducts. A high degree of rubber-like elasticity allows this product to accommodate wide swings in temperature and significant movement. Lucas #4600 is UV stable may be used for exterior or interior applications.

Water based sealants shrink by 25-40% which can lead to air leaks. Lucas 4600 does not shrink. Water-based sealants can not be used or stored below freezing while Lucas #4600 can be used at any temperature. High humidity will retard the drying of water-based sealants while humidity will only cause Lucas #4600 to cure faster. Lucas #4600 has a very mild mint like odor and emits no coalescing solvents or antifreeze like water based products.

APPLICATION

Sheet Metal: Apply with a 2.5" chip brush 1/32 to 1/16 inch thick (20-40 mils) to the male fitting before seating it. All joints must be riveted to limit movement. Apply a second coat over the top of the joint. Drying time until activation of the system is 12 hours. For exterior applications and areas where higher than normal movement is expected, embedding 4" Tietex polyester reinforcement into the mastic over the joint is recommended.

Rigid Fiberglass: Apply with a chip brush 1/16 inch thick, Embed 4" Tietex Polyester Fabric, Apply an additional coat at 1/16 inch thick to the top of the fabric. (approx 80 mils total).

Flexible: Apply with a chip brush 1/16 inch thick after the air duct has been mechanically fastened per instructions. Minimum cure time is 24 hours.

Temperatures below freezing will significantly extend cure time. An adhesion test is recommended for any non metallic duct materials.

Clean up: Clean up wet product with water.

Shelf Life: One year from the date of manufacture.

CAUTION: Avoid prolonged contact with or inhalation of fumes. Do not take internally. If swallowed, do not induce vomiting. Contact medical personnel immediately. Read SDS prior to use. For professional use only. Emergency phone number 1-800-424-9300.

California Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects and/or reproductive harm.

Viscosity	ASTM D 2196	200,000 cps
Solids by Weight	ASTM D 1644	100%
Solids by Volume	ASTM D 2697	100%
Weight Per Gallon	ASTM D 1147	12 lbs.
Tensile Strength	ASTM D 2370	400 psi
Elongation	ASTM D 2370	400%
Water Vapor Trans	ASTM E 96	.4 perms
Flame Spread	ASTM E 84	5
Smoke Develop.	ASTM E 84	0
Mold Growth	UL181	Pass
Flash Point	ASTM D 56	NA
VOC	EPA 24	8 g/l

Container Sizes: 2 Liter Pouches (4 per case)

Colors: White

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Seller warrants that this product shall be free of any defect in material or workmanship under normal use for a period of ONE YEAR from the date of purchase. This warranty does not extend to any defect or failure caused by misuse and/or incorrect application. LIMITATION OF LIABILITY: In the event of a defect or failure falling under this warranty, Buyers sole remedy shall be refund of the purchase price or replacement of the defective material, at Seller's option. Under no circumstances shall Seller be liable for any losses or damages caused by this product, whether direct, indirect, special, incidental or consequential damages, whether based on contract, tort (including negligence) or any other legal theory.

NOTE: Some or all of the foregoing may not apply or may be invalid under the laws applicable to Buyer's purchase or claim. Consult local law to determine the applicability of any of the foregoing in the event of any defect or failure of this product.

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