#9 MASTIC® LOW-HIGH-VELOCITY AIR DUCT SEALANT

#9 Mastic® is a water-borne air duct sealant used to permanently seal the joints and seams of thermal insulation, crawl space vapor retarders, house wrap and all air duct types including UL listed air ducts. Primarily used on rigid fiberglass air duct or "duct board" in residential and commercial construction. In buildings with crawl spaces a 3" or wider stripe of #9 Mastic® around the top of the perimeter of the crawl space provides a termite monitoring zone for detecting termites crossing the barrier to the wooden structure. Easily applied by brush, trowel, palm, spray or extrusion.[1]

UL LISTED (181A-M | 181B-M) 28DF

- **Weather Resistant**
- **Water-Borne**
- **Contains Ceramic Microspheres**
- **Earns LEED Credits[2]**
- **Low Odor**
- **Non-Flammable**

wet film coverage at 50 mils x 3” wide	125 lineal feet per gallon
weight per gallon	12.0 lbs. ± 0.30 lbs
solids by weight	69% ± 2%
type	elastomeric terpolymer emulsion
color	off white
consistency	thixotropic, non sagging paste
cure to 4lbs./in. tensile joint strength at 50% RH and 70˚F	5 hours
service temperature limits	0˚ F to 200˚F
shelf life	12 months (unopened container)
storage temperature	45˚F to 90˚F
clean-up when wet	soap & water
water vapor transmission rate ASTM E-96	0.60 perms
flash point-tag-open cup ASTM D-1310	none
flame spread ASTM E-84	5
smoke developed ASTM E-84	0
UL-181A-M & UL-181B-M Mold Growth Test	passed
volatile organic compound ASTM D-6886	less than 50 grams/liter
meets all SMACNA Seal Classes	A, B, & C
meets all SMACNA Pressure Classes	-0.5”, 1”, 2”, 3”, 4”, 6”, and 10” wg

[1] for spray & extrusion equipment info refer to: http://rcdmastics.com/images/stories/pdf/sprayingextrudingequipver2.pdf
[2] for information regarding LEED credits, refer to: http://rcdmastics.com/images/stories/pdf/9leedcredit2012.pdf

Application

Surfaces must be free from algae, corrosion, dirt, grease, loose or chalking paint, mold, mildew, oil, scale, silicone, and water. No thinning or mixing is necessary; use directly from the pail. Easily applied by brush, trowel, palm, spray or extrusion equipment. Apply a tack coat of 25 – 35 mils thick (if fiberglass mesh is used, embed it into tack coat). Apply a finish coat 25 – 35 mils thick. For spray and extrusion applications, refer to RCD Corporation® Technical Bulletin "Spraying or Extruding RCD Products". When used outdoors allow at least 8 hours dry time to resist wash off by rain.

Sheet Metal Air Ducts

After starting the male fitting into the female fitting and prior to seating the joint; apply a 2" wide band of mastic 20 – 30 mils thick to the exposed part of the male fitting. Fully seat the joint and mechanically fasten with sheet metal screws or rivets. Next apply a 2.5" wide band of mastic 20 – 30 mils thick to the outside of the joint covering the screws or rivets and joint gap. Allow at least 12 hours drying time before starting system. Since temperature and humidity conditions may vary, longer dry times may be required for specific installations.

Flexible Air Ducts (UL 181 listed)

Application shall be by brush. Application rate: 17.8 to 26.7 square feet/gallon. Recommended thickness: 0.070" (70 mils) to 0.090" (90 mils). Minimum recommended set time is 20 hours. Use with mechanical fasteners per Air Duct installation instructions.

Rigid Fiberglass Air Ducts (UL 181 listed)

Application shall be by brush or trowel. Application rate: 17.8 to 26.7 square feet/gallon. Recommended thickness: 0.070" (70 mils) to 0.090" (90 mils) total (mastic, plus scrim, plus mastic). Minimum recommended set time is 20 hours. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations. Embed a reinforcing membrane such as RCD Glasscoat (3" wide, 5 mil thick, 20 x 10 plain weave, fiberglass scrim) into a tack coat.

Precautions

It is the applicator's responsibility for the design, use and storage of all building materials including #9 Mastic®. Store at recommended temperatures of 45°F to 90°F. Rotate inventory using the FIFO method. Protect from freezing. Do not dilute with any substance. Do not contaminate contents with foreign material. Do not apply below 38°F or above 120°F. High humidity will retard drying. Occupants, who are chemically sensitive, prone to allergic reactions, or have respiratory ailments of any kind, should not have mastics applied inside the air stream of their heating or cooling system without consulting their physician for approval. Do not exceed the service temperature limits of 0°F to 200°F.

CAUTION

Keep out of reach of children. If there is contact with eyes, flush with clean water and contact physician. Do not ingest this product.

Catalog Numbers:

109001	1 gallon pail
109002	2 gallon pail
109035	3.5 gallon pail
109011	10.7 fl. oz. caulk tube

Warranty

#9 Mastic® when applied in accordance with this Product Data Sheet, product label, & applicable industry standards is warranted to be free from defects, excluding appearance and/or color, for 12 months from the date of manufacture. Since methods of application, storage & on-site conditions are beyond RCD's control & can affect performance, RCD makes no other warranties. All other warranties, express or implied, including but not limited to the warranties of merchantability and fitness for a particular purpose, are disclaimed. It is understood and agreed that seller's liability, whether in contract, tort, warranty, negligence, personal injury, wrongful death or otherwise, shall not exceed the return of the amount of the purchase price paid by the purchaser & under no circumstances shall the seller be liable for special, indirect or consequential damages. The price paid for the product is consideration in limiting seller's liability.