



#7 Mastic® Low to High Velocity Air Duct Sealant is a premium grade sealant used to permanently seal the fabricated joints and seams of sheet metal air ducts, rigid fiberglass air ducts, flexible air ducts, thermal insulation, and crawl space vapor retarders. Repairing damaged or leaking air ducts and sealing conditioned spaces is easy using RCD Corporation® #7 Mastic®. Easily applied by brush, caulk tube, trowel, palm, spray, or extrusion¹.



Contributes to
LEED® v4/v4.1/v5
credit requirements

- Intertek Clean Air Gold Certified
- Made in the USA
- LEED Qualified

- Non-Flammable
- Remains Flexible
- Water Borne

- Weather Resistant
- Low Odor
- No Added PFAS or PFOS

wet film coverage at 30 mils x 3" wide	320 lineal feet per gallon
weight per gallon	12.0 lbs. ± 0.30 lbs.
solids by weight	73% ± 2%
type	elastomeric polymer emulsion
color	grey
consistency	thixotropic, non-sagging paste
cure to 4lbs./in. tensile joint strength at 50% RH and 70°F	5 hours
service temperature limits	-10°F to 200°F
shelf life	12 months (unopened container)
storage temperature	45°F to 90°F
clean-up when wet	soap & water
flash point-tag-open cup ASTM D-1310	none to boiling
UL 181A-M & UL 181B-M Mold Growth Test	passed
Intertek Clean Air Gold	Certified
total volatile organic compound (TVOC) CDPH V1.2	0.5mg/m ³ or less
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 information please refer to RCD's Technical Bulletin found at: [#7 Mastic](#)

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

Recommended thickness: 0.020 (20 mils) to 0.030” (30 mils). Minimum recommended set time is 12 hours. Use with mechanical fasteners per Air Duct installation instructions.

Rigid Fiberglass Air Ducts UL 181 listed

Recommended thickness: 0.020” (20 mils) to 0.030” (30 mils) total (mastic, plus scrim, plus mastic). Minimum recommended set time is 12 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 #7 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 -10°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:

107001 1 gallon pail
107037 1 quart kit

Warranty

#7 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.