

#7 MASTIC®



LOW TO HIGH VELOCITY AIR DUCT SEALANT

#7 Mastic® is a non-toxic, adhesive-sealant used for permanently sealing the fabricated joints and seams of sheet metal air ducts, rigid fiberglass air ducts, flexible air ducts, thermal insulation and crawl space vapor retarders. RCD Corporation® #7 Mastic® is a premium grade sealant used for repairing damaged and leaking air ducts and sealing conditioned spaces from air infiltration. Easily applied by brush, trowel, palm, spray or extrusion.

- Water-Borne & Non-Flammable
- Fire Resistant
- Weather Resistant
- Low VOC & Low Odor
- High Solids Content
- Fast Drying
- Contains Ceramic Microspheres

SPECS

wet film coverage at 50 mils x 3" wide	125 lineal feet per gallon
weight per gallon	10.1 lbs. ± 0.30 lbs
solids by weight	68% ± 2%
type	elastomeric terpolymer 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
packaging	1 gallon recyclable plastic pails
clean-up when wet	soap & water
water vapor transmission rate ASTM E-96	0.17 perms
flash point-tag-opencup ASTM D-1310	none
flame spread ASTM E-84	5
smoke developed ASTM E-84	0
volatile organic compound ASTM D-6886	less than 10 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.

RCD, Doug and specific product designations are all trademark protected symbols owned by RCD Corp

#7 MASTIC®

Low to High Velocity Air Duct Sealant

Adheres to most construction surfaces, including but not limited to:

- Aluminum & Aluminum Foil
- Calcium Silicate Insulation
- Cellular Glass
- Cement Backer Board
- Closed Cell Foam Rubber
- Concrete & Masonry
- Drywall or Gypsum Board
- Fiberglass Insulation
- Foam-Plastic Insulation
- Galvanized Steel
- House Wrap
- Paper
- Polyethylene Plastic
- Polystyrene Foam
- Polyester Plastic
- Primed Steel
- PVC Plastic
- Spray Foam Insulation
- Stainless Steel
- Wood

#7 Mastic® qualifies for LEED credits via: EA Prerequisite 2 – Minimum Energy Performance, EA Credit 1 – Optimize Energy Performance, IEQ Credit 3 – Construction IAQ Management Plan, and IEQ Credit 4 – Low Emitting Materials.

APPLICATION

Surfaces must be free from 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 the tack coat). Apply a finish coat of 25 – 35 mils thickness. 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

Metal collar fittings: follow same directions as Sheet Metal Air Ducts. For field installed collars: start the inner core onto the collar then apply a 2” wide band of mastic 20-30 mils thick to the exposed part of the male fitting. Seat the inner core onto the fitting and mechanically faster per the flexible air duct manufacturer’s instructions. Apply a 2” wide band of mastic 20 – 30 mils thick to the outside of the joint covering any joint gaps. 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.

RIGID FIBERGLASS AIR DUCTS

After fabricating and stapling the joint or seam: apply a first coat of mastic 3” wide and 20 – 30 mils thick covering the joint or seam entirely; embed a 3” wide fiberglass mesh (Glasscoat) into the first coat of mastic. Apply a second 3” wide coat of mastic 20 – 30 mils thick filling the fiberglass mesh entirely. 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.

PRECAUTIONS

It is the applicator’s responsibility for the design, use and storage of all building materials including RCD Mastics®. 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.

Keep out of reach of children. If there is contact with eyes, flush with clean water and contact physician.

WARRANTY

RCD #7 Mastic® is warranted to do the work for which it is designed as set forth above. All other warranties, express or implied, including but not limited to the implied 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 and under no circumstances shall seller be liable for special, indirect or consequential damages. The price paid for the product is consideration in limiting seller’s liability.

CATALOG NUMBER: 107001 . . . 1 gallon pail