

ICC-ES PMG Listing**PMG-1029**

Effective Date: March 1, 2011

*This listing is subject to re-examination in one year.***www.icc-es.org/pmg | (800) 423-6587 | (562) 699-0543***A Subsidiary of the International Code Council®*

CSI: DIVISION: 23 00 00 — HEATING, VENTILATING AND AIR CONDITIONING (HVAC)
Section: 23 33 00 — Air Duct Accessories

Product: DucTite® R-6 and DucTite® R-8 Fitting Insulators

Listee: M&M Manufacturing, LLC
4001 Mark IV Parkway
Fort Worth, Texas 76106
www.mmmfg.com

Additional listees:

Cody Company, Inc.
Post Office Box 1320
Ennis, Texas 75119
www.codycompany.com

Compliance with the following codes:

2009 *International Building Code*® (IBC)
2009 *International Residential Code*® (IRC)
2009 *International Mechanical Code*® (IMC)
2009 IAPMO *Uniform Mechanical Code** (IAPMO UMC)
2006 *International Building Code*® (2006 IBC)
2006 *International Residential Code*® (2006 IRC)
2006 *International Mechanical Code*® (2006 IMC)
2006 IAPMO *Uniform Mechanical Code** (2006 IAPMO UMC)

**Uniform Mechanical Code*® is a registered trademark of IAPMO

Compliance with the following standards:

ASTM E 84 Standard Test Method for Surface Burning Characteristics of Building Materials
ASTM C 411 Standard Test Method for Hot-Surface Performance of High-Temperature Thermal
Insulation
LC1017 Prefabricated Duct Fitting Insulation Manufactured from Molded, Expanded Polystyrene
Foam Plastic

Identification:

Each DucTite® R-6 and DucTite® R-8 air duct fitting insulator must be labeled with the name of one of the companies noted at the beginning of this listing (M&M Manufacturing LLC or Cody Company, Inc.), part description, weight, R-value, mass per area limitation [13 pounds for each 1000 square feet (5.9 kg per 92.9 m²)], inspection agency, date and shift code, and the ICC-ES PMG listing mark, and the number of the bead supplier's evaluation report (ESR-1634).

Installation:

DucTite® R-6 and DucTite® R-8 air duct fitting insulators provide unprotected insulation on the exterior of aboveground metal air duct fittings such as, but not limited to, outlet register boxes, register boots, wyes, tees, elbows, stack boots and reducers.

DucTite® insulators must be installed in accordance with the applicable code and the manufacturer's published installation instructions. Where installation is in accordance with this listing, neither a thermal nor an ignition barrier is required to separate the insulators from the building's interior.

The metal HVAC duct fitting is placed on a firm surface with the collar pointed upward. The DucTite® insulator, if in the form of a one-piece insulator, is slipped over the fitting with the collar extending through the hole. In the instance where the DucTite® insulator is in the form of two halves, a right and a left half are placed around the fitting and joined together with internal plastic fasteners. When properly seated, approximately 2 inches (50.8 mm) of the duct fitting will extend beyond the DucTite® insulator.

Models: DucTite® R-6 and DucTite® R-8 insulators are formed from molded expanded polystyrene foam (EPS) insulation. They are designed to be either factory- or field-applied to provide insulation for metallic air duct fittings of various types.

The EPS foam plastic used in the manufacture of the DucTite® R-6 and DucTite® R-8 insulators has a flame-spread index of 25 or less and a smoke-developed index of 200 or less when tested in accordance with ASTM E 84 at the thickness and density used. The material does not flame, glow, smolder or smoke when tested in accordance with ASTM C 411 at temperatures that do not fall below 250°F (121°C).

The DucTite® R-6 insulators have a nominally 1.5-inch-thick (38.1 mm) wall and a nominal density of 1.5 lbs/ft³ (24 kg/m³), yielding an R-value of 6 (hr ft² °F)/Btu (1.06 °k m²/W).

The DucTite® R-8 insulators have a nominally 2-inch-thick (50.8 mm) wall and a nominal density of 1.5 lbs/ft³ (24 kg/m³), yielding an R-value of 8 (hr ft² °F)/Btu (1.41 °k m²/W).

The DucTite® R-6 and the DucTite® R-8 insulators are molded using Grade 54 modified EPS beads as recognized in ICC-ES evaluation report ESR-1634.

Conditions of Listing:

1. The products must be limited to use in buildings of IBC Type V construction, and all construction types permitted under the IRC.
2. The amount of these products installed must be limited to an aggregate total of 13 pounds (5.9 kg) of products for each 1000 square feet (92.9 m²) of floor area.
3. The DucTite® R-6 and the DucTite® R-8 insulators are limited to use on metallic fittings and must not be used on straight lengths of HVAC ducts.
4. The products are produced for M&M Manufacturing Company by Lifoam Industries, LLC, located in Waxahachie, Texas, under a quality control program with inspections by ICC-ES.