



Listing Number: PMG-1003

Effective Date: May 1, 2008

This listing is subject to re-examination in one year.

ICC Evaluation Service, Inc.
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CSI: DIVISION: 15—MECHANICAL
Section: 15180—Heating and Cooling Piping

Product: ACOME Embassy Liquipex Tubing for Use in Hydronic Heating Systems

Listee: ACOME Corporation
52, Rue de Montparnasse
75014 Paris
FRANCE
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www.embassyind.com

Compliance with the following codes:

2006 *International Residential Code*[®] (IRC)
2006 *International Mechanical Code*[®] (IMC)
2006 IAPMO *Uniform Mechanical Code* (IAPMO UMC)*
1997 ICBO *Uniform Mechanical Code* (ICBO UMC)

**Uniform Mechanical Code* is a copyrighted publication of the International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, California 91761.

Compliance with the following standards:

ASTM F 876-04
ASTM F 1960-03
ASTM F 1960-04a

Identification:

ACOME Embassy Liquipex tubing must be marked every 5 feet (1.5 m) with the nominal tube size, standard dimension ratio (SDR 9), temperature and pressure ratings [180°F/100 psi (82°C at 689 kPa)], ASTM F 876 designation, the name of the inspection agency (NSF International), company and product name (ACOME, ACOME EMBASSY LIQUIPEX), and either the ICC-ES evaluation report number (ESR-1029) or the PMG listing number (PMG-1003) and/or the ICC-ES PMG listing mark.

Packages of fittings must be identified in accordance with their current ICC-ES evaluation report.

Installation:

Installation varies according to the type of construction. Installation and design of the heating system for each type of floor construction must comply with Chapter 12 of the IMC, Chapter 12 of the IAPMO UMC, or Chapter 12 of the ICBO UMC, and with the manufacturer's instructions.



Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.

Fittings must be compression-type fittings that consist of a barbed insert, compression ring and compression nut made of dezincification-resistant brass; must comply with ASTM F 1960-03; and must be recognized in a current ICC-ES report or listing.

Clearances from heat-producing equipment must be in accordance with Section 503.7.7 of the 2006 *International Fuel Gas Code*[®], Section 304.6 of the ICBO UMC, or Section 802.7.4.4 of the IAPMO UMC, as applicable.

Models: Tubing:

ACOME Embassy Liquipex tubing is available in $\frac{3}{8}$ -, $\frac{1}{2}$ -, $\frac{5}{8}$ -, and $\frac{3}{4}$ -inch nominal diameter (10, 13, 16, and 19 mm) sizes with an oxygen diffusion barrier on the tubing wall, and in coils of various lengths.

Conditions of Listing:

1. Details on the design and installation of the heating system must be submitted to the building official for approval.
2. The tubing must be maintained at the proposed operating pressure during placement of concrete cover for hydronic piping system.
3. The tubing installation must be pressure-tested for leaks in the presence of the building official or the official's designated representative.
4. When installation is in fire-resistive assemblies, evidence of compliance with IBC Section 719 or UBC Section 714 must be provided to the building official.
5. The potable water connections must be protected against backflow from the hydronic heating system.
6. The tubing must not be used as a source of electrical ground.
7. The minimum cold bending radius is six times the outside tube diameter. The outside diameter is the nominal diameter plus $\frac{1}{8}$ inch (3.2 mm).
8. The tubing is limited to applications using potable water as the transfer fluid.