

ICC-ES PMG Listing**PMG-1034**

Effective Date: October 1, 2011

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

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CSI: DIVISION: 22 00 00—PLUMBING
Section: 22 11 16—Domestic Water Piping
DIVISION: 23 00 00—HEATING, VENTILATION AND AIR CONDITIONING (HVAC)
Section: 23 21 13—Hydronic Piping

Product: Pexgol PE-Xc, Slant/Fin-Heating PE-Xc, Slant/Fin-Plumbing PE-Xc, AquaSeal PE-Xc, AquaHeat PE-Xc, PlumberFriendly PE-Xc, GTPEX™ PE-Xc and HeatFlow PEX PE-Xc

PEX Tubing for Use in Hydronic Heating and Water Supply Systems

Listee: Golan Plastic Products Ltd.
Kibbutz Shaar HaGolan
Jordan Valley 15145
Israel
www.pexgol.com

Additional listee:

ComfortPro Systems
8150 North Lehigh
Morton Grove, Illinois 60053
www.comfortprosystems.com

Compliance with the following codes:

2012, and 2009 *International Plumbing Code*® (IPC)
2012, and 2009 *International Residential Code*® (IRC)
2012, and 2009 *International Mechanical Code*® (IMC)
2009 IAPMO *Uniform Plumbing Code** (IAPMO UPC)*
2009 IAPMO *Uniform Mechanical Code** (IAPMO UMC)*

**Uniform Plumbing Code* and *Uniform Mechanical Code* are copyrighted publications of the International Association of Plumbing and Mechanical Officials.

Compliance with the following standards:

ASTM F 876-10 Standard Specification for Crosslinked Polyethylene (PEX) Tubing
NSF/ANSI Standard 14 Plastics Piping system Components
NSF/ANSI Standard 61 Drinking Water System Components – Health Effects
LC1004 PMG Listing Criteria for PP, PEX, PEX-AL-PEX and PP-AL-PP Piping, Tube and Fittings
Used in Radiant Heating and Water Supply Systems

Identification:

Tubing: The tube is marked every 5 feet (1524 mm) with the Golan Plastic Products Ltd. initials (G.P.P.), the product or trade name, the nominal tube size, the material designation (PE-Xc 1006), the standard dimension ratio (SDR 9), the temperature and pressure ratings [180°F/100 psi (82°C/689 kPa)], the ASTM F 876 designation, the production code, the potable water designation, the name of the inspection agency (NSF International AA-633) and the ICC-ES PMG listing mark.

Fittings: Packages of fittings must be identified as complying with ASTM F 1807, ASTM F 1960 or ASTM F 2080, and marked as being recognized in a current ICC-ES evaluation report.

Installation:

The tubing must be installed in accordance with the manufacturer's published installation instructions and the applicable code. Installation is subject to approval by the code official having jurisdiction.

Water distribution and water service piping: Installed tubing must be pressure-tested and inspected as required by IPC Chapter 6, IRC Section P2503, or IAPMO UPC Chapter 6.

Radiant heat piping: The tubing must be pressure-tested for leaks before installation of the cover, as noted in IRC Section M2103, IMC Chapter 12, or IAPMO UMC Chapter 12, as applicable. The leak test must be witnessed by the code official.

Clearances from heat-producing equipment must be in accordance with 2009 *International Fuel Gas Code*[®] Chapter 5, IRC Section M1306 or IAPMO UMC Chapter 8, as applicable.

Models: **Tubing:** The tubing is produced from a crosslinked polyethylene compound.

The tubing is sold under the trade names:

Pexgol,
Slant/Fin-Heating,
Slant/Fin-Plumbing,
AquaSeal,
AquaHeat,
PlumberFriendly,
GTPEX[™],
Heatflow PEX.

The natural-, black-, blue-, red- or white-colored tubing is available in nominal diameters of $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ inch (10, 13, 16 and 19 mm) and in coils of various lengths, and may be coated.

Conditions of listing:

1. Details on the design and installation of the heating system must be submitted to the code official for approval.
2. During placement of the cover over the tubing, the tube must be maintained at the greater of $1\frac{1}{2}$ times the working pressure or 100 psi (689.4 kPa).
3. The tubing installation must be pressure-tested for leaks in the presence of the code official or the official's designated representative prior to covering.
4. When installation is in fire-resistive-rated assemblies, evidence of compliance with *International Building Code*[®] (IBC) Chapter 7 as applicable, must be provided to the code 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. Minimum bending radius is six times the outside tube diameter of the PEX tube. The outside diameter is the nominal diameter plus $\frac{1}{8}$ inch (3.2 mm).
8. The tubing serving as a component of radiant systems is limited to applications using potable water as the transfer fluid.
9. When the system is embedded in concrete, tubing must be covered a minimum of $\frac{3}{4}$ inch (19.1 mm) and installation must comply with IBC Chapter 19 (if applicable).
10. The product is manufactured in Jordan Valley, Israel, under a quality control program with inspections conducted by NSF International (AA-633).