

IAPMO IGC 293-2012 (R2020)

**Tubing and Fittings for
Special Hydronic
Radiant Drywall Panels**



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1 Scope and Purpose

- 1.1** This Standard covers tubing and fittings for special hydronic radiant drywall panels intended for residential and commercial heating and cooling applications and specifies requirements for materials, physical characteristics, performance tests, and markings.
Note: *In this Standard, special hydronic radiant drywall panels are referred to as “radiant drywall panels”.*
- 1.2** The purpose of this Standard is to enhance health and safety by:
(a) specifying acceptable criteria for tubing and fittings for radiant drywall panels; and
(b) serving as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors, and users.
- 1.3** The requirements of this Standard are not intended to prevent the use of alternate materials or methods of construction provided such alternates meet the intent of this Standard.
- 1.4** Amendments to this Standard will be made after processing according to the standards writing procedures of IAPMO.
- 1.5** The user’s attention is called to the possibility that compliance with this Standard may require use of an invention covered by patent rights. By publication of this Standard, no position is taken with respect to the validity of any such claim(s) or of any patent rights in connection therewith. If a patent holder has filed a statement of willingness to grant a license under these rights on reasonable and nondiscriminatory terms and conditions to applicants desiring to obtain such a license, then details can be obtained from IAPMO.

2 Reference Publications

This Standard refers to the following publications, and where such reference is made, it shall be to the current edition of those publications, including all amendments published thereto.

ASTM D2122	Standard Test Method for Determining Dimensions of Thermoplastic Pipe and Fittings
ASTM D2837	Standard Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials
ASTM F877	Standard Specification for Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems
ASTM F1282	Standard Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe