

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

**IAPMO GUIDE CRITERIA
FOR**

**STRUCTURAL ADHESIVE FITTING SYSTEMS FOR JOINING
PVC, CPVC, ABS, PP, PE, PEX, AND COPPER TUBING**

IAPMO IGC 251- 2008

1. PURPOSE

- 1.1** The purpose of this standard is to establish an acceptable standard for structural adhesive type fittings for installation on PVC, CPVC, ABS, PP, PE, PEX, and copper tube. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials, manufacture and installation; and to provide identifying structural adhesive type fittings and structural adhesive materials for installation on PVC, CPVC, ABS, PP, PE, PEX, and copper tubing complying with this standard.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction, provided any such alternate meets the intent and requirements of this document and changes are amended to this standard.

2. SCOPE

- 2.1** This standard covers the minimum requirements for the materials and performance of a joining system that includes a structural adhesive and fittings, and prescribes the minimum test requirements for the performance of the fittings and adhesive when used with PVC, CPVC, ABS, PP, PE, PEX, and copper tube, together with methods of marking and identification.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard.

ASME B1.20.1	Pipe Threads, General Purpose (inch)
ASTM D1002	Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens
ASTM D2556	Apparent Viscosity of Adhesives Having Shear-Rate Dependent Flow Properties
ASTM D 2000	Classification Systems for Rubber Products in Automotive Applications