



ICC
EVALUATION
SERVICE®

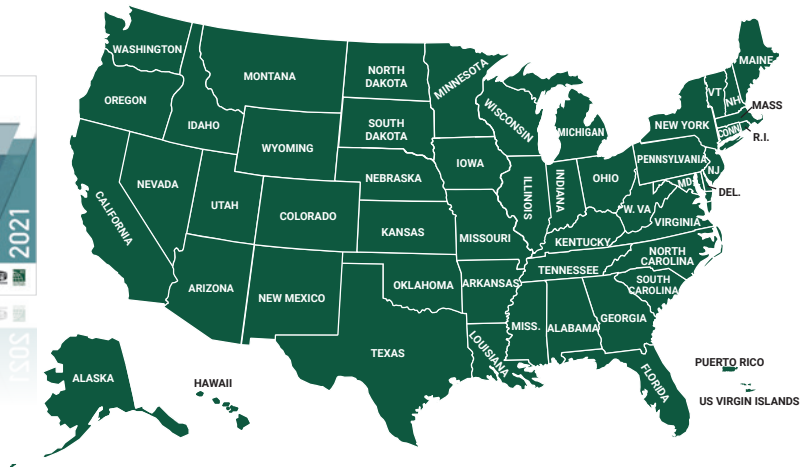


The ICC-ES PMG mark of conformity is accepted throughout North America

DID YOU KNOW the UPC shield is not a mandatory requirement for code compliance?

ICC-ES Certifies to:

- International Plumbing Code (IPC) adopted in 36 states
- Uniform Plumbing Code (UPC) adopted in 11 states
- International Residential Code (IRC) adopted in 50 states
- National Plumbing Code of Canada (NPC) adopted in 10 provinces
- EPA WaterSense Specification and Lead Law (offered free of charge)
- Official Mexican Standards (NOMs)



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Plastic Pipe and Fittings Certification

U.S. and Canada Codes and Standards

- Codes — IPC®, IMC®, UMC®, UPC®, NPC®, IRC®
- Toxicity Standards
 - » NSF/ANSI/CAN 61
- Performance Standards
 - » PE-RT: ASTM F2769, ASTM F2098, F2735
 - » PEX Tubing and Fittings: ASTM F876, F877, F1807, F2159, CSA B137.5
 - » PEX-AL-PEX Tubing and Fittings: ASTM F1281, F1974, CSA B137.10
 - » PP: ASTM F2389, CSA B137.11
 - » PVC: ASTM D1785, D2241, D2672, ASTM D2464, D2466, CSA B137.3
 - » CPVC: ASTM D2846, F441, F442, F437, F438, CSA B137.6
 - » Push-Fit Fittings: ASSE 1061

Material and Design Requirements

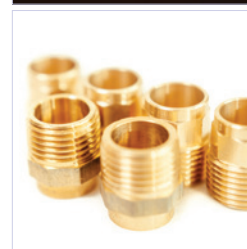
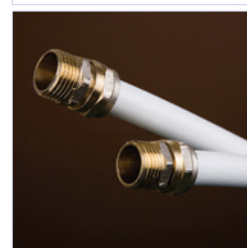
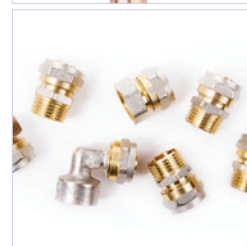
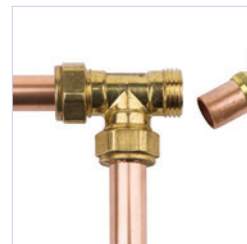
- Material grades
- Material to have long term hydrostatic stress rating to PPI TR-3
- Dimensional Requirement: Wall thickness, Inside and Outside Diameters

Performance Tests

- Sustained Pressure
- Burst Pressure
- Thermal Cycling
- Adhesion of multilayers
- Chlorine Resistance
- Tensile Strength
- Bending Test
- Hydraulic Shock

ICC-ES® Advantage

- Does not charge manufacturers for separate NSF 61 listings
- Meets the needs of the manufacturer by helping the manufacturer take its product to market quicker.



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