



# CITY OF YORBA LINDA

P.O. BOX 87014 CALIFORNIA 92885-8714

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**BUILDING DIVISION (714) 961-7120**

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## Procedure No. 002

**Policy Subject:** Plastic Water Supply Piping Systems  
Effective Date: 9-1-09  
Revised: 6-13-11

### Policy subject

Various types and materials of plastic potable water systems are manufactured and available for use in potable water systems within both residential and commercial structures. This Building Division Procedure identifies the requirements, approvals, submittal requirements, documentation, process and procedures required to allow the installation of these plastic potable water systems within a structure in the City of Yorba Linda.

### Procedure

#### REQUIRED APPROVALS:

- a. The product shall conform to the general approved materials as allowed by Chapter 6 and Appendix Chapter I (IS 7-2008, IS 8-2006, IS 20-2006, IS 28-2005, SIS 1-2003) of the California Plumbing Code.
- b. The product shall be listed for the use by either the ICC Evaluation Service the State of California or the IAPMO approval system.
- c. Approvals apply to a specific manufacturer, material and system and are not a general approval for a generic material or system.
- d. Individual product approval by the City of Yorba Linda shall be valid for only the time period between adoption of the construction codes. Upon adoption of a new construction code series, re-submittal and approval in accordance with this Building Division Procedure is required.

#### INSTALLATION AND INSPECTION REQUIREMENTS:

- a. The product shall conform to the general installation requirements of Chapter 6, Appendix Chapter A and Appendix Chapter I (IS 7-2008, IS 8-2006, IS 20-2006, IS28-2005, SIS 1-2003) of the California Plumbing Code.
- b. Product shall be labeled as required in their listing for identification in the field.
- c. Prior to issuance of a building permit, the contractor or the appropriate plumbing subcontractor shall provide a written certification that he or she will comply with the flushing procedures and worker safety measures set forth in Section 1.2.1 of Appendix I of the CPC for CPVC Solvent Cemented Hot and Cold Water Distribution Systems, IAPMO IS 20-2006. (Form Attached)
- d. Where plastic potable water piping is installed, alternate electrical grounding methods other than a cold water bond shall be utilized and shown on the plans.
- e. PEX tubing shall not be installed within the first 18" of piping connected to a water heater. (604.11.2 CPC)

- f. All plastic potable water piping shall be tested with water in the system to a pressure of eighty (80) psi for a period of fifteen (15) minutes without leaking.
- g. When plastic potable water piping is installed in fire-resistive assemblies, specific details showing listed assemblies or products must be provided with the submittal detailing compliance with Section 712 of the CBC for penetrations.

#### REQUIRED DOCUMENTATION

- a. A printed copy of listing shall be provided at time of submittal for use of the product. The listing shall be to the currently adopted California Code series.
- b. A copy of the manufacturers published installation instructions shall be furnished with the first installation of the product within the City of Yorba Linda. The Building Division shall maintain an approval file for the product for the period of adoption of the current California Building Code Cycle.
- c. The manufacturer or his representative shall provide a live demonstration of the product, all pertinent literature, required special tools, maintenance and calibration of special tools and installation on a one time basis to the City of Yorba Linda Building Division staff prior to the first installation of the product in the City.

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Building Official

As of 6-13-11, the following manufacturer's and products have been approved for installation;

- a. Viega (PureFlow)
- b. Wirsbo (Uponor)