Chlorinated Polyvinyl Chloride Pipe (CPVC) Policy

Background

The following is a guide intended to identify the issues related to permit application and installations of CPVC in single family production housing, multi-family dwellings and custom homes:

1. Products must be listed.
2. Products must be installed per their listing and IAPMO Installation Standards IS 20-2006 printed in the back of the Plumbing Code and also modified by HCD.
3. The installing contractor shall submit the following prior to the issuance of the permit to install.
   - A signed written Worker Safety statement that they and their installers are:
     1. Aware of the health and safety hazards associated with CPVC
     2. Have included in their Injury and Illness Prevention Plan the hazards associated with CPVC
     3. The worker safety training elements of their IIPP meet the Department of Industrial Relations Guidelines
   - A signed written statement that he or she will comply with the flushing procedures set forth in IAPMO IS 20-2006
4. Installers need to be fully trained in the installation of the product.
5. Proper fire-stopping is provided per listing where required.
6. Thermal expansion loops shall be installed per table 1 of the standard.
7. Horizontal anchors shall be placed every 3’ maximum on piping 1” and smaller.
8. A minimum of 6” metallic piping shall be used between CPVC and the water heater.
9. Sizing shall comply with the current adopted code.
10. Solvent cement and primers complying with Low Voc requirements shall be used. Piping ½” through 2” may use listed one-step cements.
11. CPVC installations shall be flushed. Tags are to be attached to each fixture after the first flush stating: “This new plumbing system was first filled on (date) by (name). The California Department of Housing and Community Development requires that the system be flushed after standing at least one week after the fill date. If the system is used earlier than one week after the fill date, the water must be allowed to run at least two minutes prior to use for human consumption. This tag may not be removed prior to flushing except by the homeowner.”
12. Final inspection shall not be approved until after compliance to these conditions are approved.
13. Any contractor or sub-contractor found to have failed to comply with flushing or worker safety requirements during the conduct of any inspection shall be cited and subject to penalties specified in the State of California Health and Safety Code.