

**EXPRESS TERMS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
CALIFORNIA BUILDING STANDARDS COMMISSION (CBSC)**

**REGARDING PROPOSED AMENDMENT OF THE  
2007 CALIFORNIA PLUMBING CODE (CPC) FOR THE  
CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 5**

**LEGEND FOR EXPRESS TERMS**

1. Existing California amendments or code language being modified: All such language appears in *italics*, modified language is underlined.
2. New California amendments: All such language appears underlined and in italics.
3. Repealed text: All such language appears in ~~strikeout~~.

The California Building Standards Code (California Code of Regulations, Title 24, Part 1, 2, 3, 4, 5, 6, 7, 8, 10 & 12) is published in its entirety every three years and is effective to all buildings that submit an application for a building permit during its effective period. Each triennial edition of the California Building Standards Code becomes effective 180 days after its publication and is effective at the time an application for a building permit is submitted.

These proposed regulations will amend the 2007 edition of the California Plumbing Code (CPC) based on the 2006 edition of the Uniform Plumbing Code (UPC) of the International Association of Plumbing and Mechanical Officials (IAPMO) for state owned buildings, including buildings constructed by the Trustees of the California State University and buildings constructed by the Regents of the University of California that are permitted under the California Plumbing Code (CPC). Further, California law makes the UMC standards adopted by the Commission applicable to all occupancies in California.

**EXPRESS TERMS:**

The California Building Standards Commission proposes to amend the 2007 edition of the California Plumbing Code (CPC) based on the 2006 edition of the Uniform Plumbing Code by the International Association of Plumbing and Mechanical Officials (IAPMO) by removing the prohibition for PEX and PEX-AL-PEX as presented on the following matrix adoption table.

Amend the following articles for Chapter 6 of the 2007 CPC:

**CHAPTER 6 WATER SUPPLY AND DISTRIBUTION  
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Adopt entire 2006 UPC Chapter without amendments		
Adopt Entire 2006 UPC Chapter as amended (amended sections listed below)	<b>X</b>	
Adopt Only those sections of the 2006 UPC which are listed below and/or Adopt Only those California promulgated sections <sup>1, 2, 3</sup> listed below		
<del>604.11</del> <del>UPC</del>	†	Remove restriction for BSC applications
<del>604.11.1</del> <del>UPC</del>	†	Remove restriction for BSC applications
<del>604.11.2</del> <del>UPC</del>	†	Remove restriction for BSC applications
<del>604.13</del> <del>UPC</del>	†	Remove restriction for BSC applications
<del>604.13.1</del> <del>UPC</del>	†	Remove restriction for BSC applications
<del>604.13.2</del> <del>UPC</del>	†	Remove restriction for BSC applications
Table 6-4 Footnote 1	<b>X</b>	Removed reference to PEX for BSC applications

This state agency adopts the entire chapter except for those sections indicated by the following symbol: †

**CHAPTER 6  
WATER SUPPLY AND DISTRIBUTION**

**TABLE 6-4<sup>1</sup>**

Material	Water Distribution Pipe and Fittings		Building Supply Pipe and Fittings
	Hot	Cold	
Asbestos – Cement			X
Brass	X	X	X
Copper	X	X	X
Cast Iron	X	X	X
CPVC	X	X	X
Galvanized Malleable Iron	X	X	X
Galvanized Wrought Iron	X	X	X
Galvanized Steel	X	X	X
PE			X
PE-AL-PE	X	X	X
PEX	X	X	X
PEX-AL-PEX	X	X	X
PVC			X

<sup>1</sup> ~~[For BSC, DSA/SS & HCD] The use of PEX and PEX-AL-PEX in potable water supply systems is not adopted for applications under the authority of the Building Standards Commission and the Division of State Architect and the Department of Housing and Community Development.~~

**604.11 PEX.** ~~[Not Adopted by AGR, BSC, DHS]~~ Cross-linked polyethylene (PEX) tubing shall be marked with the appropriate standard designation(s) listed in Table 14-1 for which the tubing has been approved. PEX tubing shall be installed in compliance with the provisions of this section.

**604.11.1 PEX Fittings.** ~~[Not Adopted by AGR, BSC, DHS]~~ Metal insert fittings, metal compression fittings, and cold expansion fittings used with PEX tubing shall be manufactured to and marked in accordance with the standards for the fittings in Table 14-1.

**604.11.2 Water Heater Connections.** ~~[Not Adopted by AGR, BSC, DHS]~~ PEX tubing shall not be installed within the first eighteen (18) inches (457mm) of piping connected to a water heater.

**604.13 PEX-AL-PEX and PE-AL-PE.** Crosslinked polyethylene-aluminum-crosslinked polyethylene (PEX-AL-PEX) and polyethylene-aluminum-polyethylene (PE-AL-PE) composite pipe shall be marked with the appropriate standard designations listed in Table 14-1 for which the piping has been listed or approved. PEX-AL-PEX and PE-AL-PE piping shall be installed in compliance with the provisions of this section.

~~[BSC] PEX-AL-PEX is not adopted for use in potable water supply and distribution systems.~~

**604.13.1 PEX-AL-PEX and PE-AL-PE.** Fittings used with PEX-AL-PEX and PE-AL-PE piping shall be manufactured to and marked in accordance with the standard for the fittings in Table 14-1.

~~**[BSC]** PEX-AL-PEX is not adopted for use in potable water supply and distribution systems.~~

**604.13.2 Water Heater Connections.** PEX-AL-PEX and PE-AL-PE tubing shall not be installed within the first eighteen inches (18) (457mm) of piping connected to a water heater.

~~**[BSC]** PEX-AL-PEX is not adopted for use in potable water supply and distribution systems.~~

**Notation**

Authority: Health and Safety Code §18934.5

References: Health and Safety Code §18934.5

**CHAPTER 14  
MANDATORY REFERENCED STANDARDS**

Standard Number	Standard Title	Application
...		
CSA G401-2001	Corrugated Steel Pipe Products	Fittings
<u>IAPMO IGC 161</u>	<u>Waterless Urinals</u>	<u>Waterless Urinals</u>
IAPMO PS 1-2004	Prefabricated Septic Tanks	DWV Components
...		

**Notation**

Authority: Health and Safety Code §18934.5

References: Health and Safety Code §18934.5