

**EXPRESS TERMS
FOR
PROPOSED EMERGENCY BUILDING STANDARDS
OF THE
OFFICE OF THE STATE FIRE MARSHAL
REGARDING THE 2010 CALIFORNIA RESIDENTIAL CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2.5
ANTIFREEZE SOLUTIONS WITHIN RESIDENTIAL BUILDING APPLICATIONS
MODIFICATIONS TO NFPA 13, AND 13D FIRE SPRINKLER STANDARDS**

The Office of the State Fire Marshal (OSFM) proposes to make necessary changes to the 2010 edition of the California Residential Code adopted reference standards 2010 editions NFPA 13 and 13D.

Legend for Express Terms:

1. California amendments brought forward without modification: Not shown for clarity
2. New California amendment: *California language appears underlined and in Italics.*
3. Repealed text: Shown as ~~Strikeout~~.

[The SFM proposes to amend Chapter 44 with the following amendments and California regulations.]

**CHAPTER 44
REFERENCED STANDARDS**

Notwithstanding California laws and regulations, these referenced standards shall be applicable only to those California Residential Code sections that are adopted.

NFPA National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269-9101

Standard reference number	Title	Referenced in code section number
13–10	Installation of Sprinkler Systems <i>as amended*</i>	R302.3
	<i>*NFPA 13, Amended Sections as follows:</i>	
	<i><u>Revise Section 7.6.2.2 as follows:</u></i>	
	<i>7.6.2.2 Glycerine–water and propylene glycol–water mixtures shown in Table 7.6.2.2 shall be considered suitable for use. <u>Antifreeze solutions exceeding 50% by volume of glycerine–water or 40% by volume of propylene glycol–water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.</u></i>	
	<i><u>Revise Section 7.6.2.3 as follows:</u></i>	
	<i>7.6.2.3 If potable water is not connected to sprinklers, the commercially available materials indicated in Table 7.6.2.3 shall be permitted for use in antifreeze solutions. <u>Antifreeze solutions of diethylene glycol–water or ethylene glycol–water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.</u></i>	

Add new Section 7.6.2.5.1 as follows:

7.6.2.5.1 Antifreeze solutions shall be factory premix solutions within dwelling unit portions of the sprinkler system.

13D—10

Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings
and Manufactured Homes *as amended**..... R313.1.1, R313.2.1, R313.3.1, R313.3.2,
R313.3.2.3.1, R313.3.2.4.2, R313.3.6.1

**NFPA 13D, Amended Sections as follows:*

Revise Section 8.3.3.2.3 as follows:

8.3.3.2.3 Percent solution by volume of glycerine–water and propylene glycol–water mixtures shall be in accordance with Table 8.3.3.2.3, Figure 8.3.3.2.3(a), and Figure 8.3.3.2.3(b). Antifreeze solutions exceeding 50% by volume of glycerine–water or 40% by volume of propylene glycol–water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.

Revise Section 8.3.3.2.5 as follows:

8.3.3.2.5 Percent solution by volume of diethylene glycol–water and ethylene glycol–water shall be in accordance with Table 8.3.3.2.5. Antifreeze solutions of diethylene glycol–water or ethylene glycol–water mixtures shall not be permitted within dwelling unit portions of the sprinkler system.

Add new Section 8.3.3.2.7 as follows:

8.3.3.2.7.1 Antifreeze solutions shall be factory premix solutions

13R—10

See California Building Code Chapter 35 for amendments to NFPA 13R.

Authority: Health and Safety Code Sections 13100.1, 13108, 13143, 13210, 13211, 17921(b), 18928(a), and 18949.2(b) and (c)

References: 13108, 13113, 13211, 17921(b) and 18949.2(b) and (c)