



ADVISORY BULLETIN

December 29, 2015

(Reissued March 2016)

Subject:

Water Temperature Control

Background:

The National Plumbing Code of Canada (NPC) has certain requirements for installing tub fillers that are not equipped to limit the maximum temperature to 49°C. The City of Calgary has additional requirements associated with these types of installations. Storing hot water at temperatures below 60°C in a hot water tank or in a delivery system may lead to the growth of Legionella bacteria. Hot water delivered at 60°C will severely burn human skin in one to five seconds.

Advisory:

The NPC 2010 under Division B Sentence 2.2.10.7(4) prohibits bathtub water temperature from exceeding 49°C. The City of Calgary requires bathtub water temperature to be regulated by a dedicated mixing device that conforms to ASSE 1070, regardless of the type of water heater used.

The mixing device must not limit outlet temperatures to the entire house, except in occupancies allocated to the care of children, elderly or persons with disabilities where fixture outlet temperatures cannot exceed 49°C, as per 7.1.2.2 of the 2014 Alberta Building Code.

The mixing device must be installed in an accessible location. An individual fixture or group of fixtures with similar requirements can be served by a single device. These mixing devices must be adjusted to 49°C, in accordance with the manufacturer's instructions. This requirement applies to all occupancies and is not limited to residential December 29, 2015 applications.

Note:

Definitions and standards:

Accessible: ability to enter, approach or pass to or from a place

Dedicated: exclusively allocated to or intended for a particular service or purpose

49°Celsius = 120°Fahrenheit

60°Celsius = 140°Fahrenheit

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