



**Cross-linked Polyethylene (PEX)
Piping in a Building**

No.: BUILDING-17
Date: 2005-10-27
Revised: 2016-01-29

Purpose:

To inform property owners, designers, engineers and contractors of the additional information required on plumbing drawings and specifications submitted for Building Permit when cross-linked polyethylene (PEX) piping is used on the project.

Background:

In the past, issuance of a Building Permit may have been delayed due to the lack of the information on the cross-linked polyethylene (PEX) piping material provided on the plumbing permit drawings. Furthermore, if the piping material was changed from ferrous to PEX during construction, a delay in construction may have occurred as well.

Implementation:

Effective immediately, alongside the information required by Subsection 2.2.2. of Division C Part 2 BC Building Code 2012, plumbing drawings and specifications submitted for a Building Permit shall clearly indicate the following:

- type of piping material to be used, and pipe manufacturer if PEX piping is used;
- ULC, cUL or WH listing number of the fire stop system(s) for the piping penetrations through the fire separations;
- ULC, cUL or WH listing number for the PEX piping running in the wall and floor assemblies required to provide the fire resistance rating; and
- ULC, cUL or WH listing number for the flame spread rating and smoke developed classification for the PEX piping if installed in non-combustible buildings.

In addition to the above, a copy of:

- ULC, cUL or WH listing document for the fire stop system(s) for the piping penetrations through the fire separations;
- ULC, cUL or WH listing document for the PEX piping running in the wall and floor assemblies required to provide the fire resistance rating; and
- ULC, cUL or WH listing document for the flame spread rating and smoke developed classification for the PEX piping if installed in non-combustible buildings,

shall be submitted alongside the drawings and specifications when applying for a new Building Permit or for a revision to a Building Permit due to the change from ferrous to PEX piping during construction.

Should you have any questions, comments or suggestions concerning this bulletin, please contact the Supervisor, Plumbing/Gas Inspections at 604-276-4323.