

## PLUMBING PROGRAM LISTING PROGRAM

Customer: Zurn Pex, Inc.  
 Class: Pex Piping System  
 Location: Commerce, Texas  
 Website: <http://www.zurn.com>  
 Product: <http://www.zurn.com/products/pex-cross-linked-polyethylene/residential-fire-safety>  
 Site:  
 Listing No. P329-1  
 Report No. P329-1, Edition 5  
 Project No. P329-1, Edition 5  
 Effective  
 Date:  
 Last January 31, 2020  
 Revised  
 Date:  
 Expires: <N/A>

Standards: ASTM E84 “Standard Test Method for Surface Burning Characteristics of Building Materials”

CAN/ULC S102.2 “Standard Method of Test for Surface Burning Characteristics of building Materials and Assemblies”

Model(s): Zurn Cross-linked polyethylene (PEX) pipe (red, white and blue colors) installed with either Zurn ZPEX Pipe Supports or rated ½-inch pipe insulation.

Characteristics per ASTM E84:

Products	Limitations	Flame Spread Index	Smoke Developed Index
Q8PS20X (2") Q7PS20X (1-1/2") Q6PS20X (1-1/4") Q5PS20X (1"), XL Fittings and ZPEX Supports	Maximum 2-inch nominal diameter piping, supported continuously with 23 gauge Zurn ZPEX Pipe Supports, with any (joint) gap distance between ZPEX supports covered by an approved pipe insulation <sup>1</sup> . Maximum 2 adjacent Zurn PEX pipe runs per plenum / cavity.	< 25	< 50
Q8PS20X (2") Q7PS20X (1-1/2") Q6PS20X (1-1/4") Q5PS20X (1"), XL Fittings and ZPEX Supports	Maximum 2-inch nominal diameter piping, installed with rated ½-inch pipe insulation <sup>1</sup> ; No spacing requirements between adjacent runs. Optionally can be installed with Zurn ZPEX Pipe Supports.	< 25	< 50



Q3PS20X (1/2"), Q4PS20X (3/4"), XL Fittings and ZPEX Supports	Maximum 3/4-inch nominal diameter tubing installed bare. Optional rated 1/2-inch pipe insulation or with Zurn ZPEX supports can be used. Minimum 18-inch on center spacing between adjacent pipe runs.	<25	<50
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Note<sup>1</sup>: List of approved pipe insulation providers in the Insulation table at the end of the listing.

Zurn Pex piping described below have the following Surface Burning Characteristics per CAN/ULC S102.2.

Products	Limitations	Flame Spread Index	Smoke Developed Index
Q3PS20X (1/2")	Maximum 1/2-inch nominal diameter tubing. No spacing requirements per adjacent runs.	< 25	< 50

The following list of pipe insulation types (at minimum thickness of 1/2") are approved for use with Zurn PEX piping at a maximum nominal diameter of 2". The insulations noted when Listed to ASTM C547 by an approved agency, are approved for use at the dimension specified above.

Insulation	Flame Spread Rating (according to ASTM E84)	Smoke Developed Rating (according to ASTM E84)
Mason Alley-K	< 25	< 50
Armaflex Composite	< 25	< 50
Johns Manville Micro-Lok	< 25	< 50
Johns Manville Micro-Lok HP	< 25	< 50
Owens Corning Vapor Wick	< 25	< 50
Owens Corning Fiberglass	< 25	< 50
GLT Pipe and Tank	< 25	< 50
Knauf Earthwool Redi-Klad	< 25	< 50
Nomalock	< 25	< 50

Label:

The finished product bears the following information: Product Name, Product nominal size, Manufacturer name, City and state of manufacture, QAI Logo with the "us" indicator, QAI file number, Date of manufacture, the standard "ASTM E84", Flame Spread Rating < 25, Smoke Developed Rating < 50, and the wording "must be installed with Zurn ZPEX Pipe Support or rated 1/2-inch pipe insulation as described in QAI Listing".



Notes: The product must be installed in accordance with the code enforced by the authority having jurisdiction. Final acceptance of the product in the final installation is subject to inspection by the authority having jurisdiction.

The materials, products or systems listed herein have been qualified to bear the QAI Listing Mark under the conditions stated with each Listing. Only those products bearing the QAI Listing Mark are considered to be listed by QAI. No warrantee is expressed or implied, and no guarantee is provided that any jurisdictional authority will accept the Listing found herein. The appropriate authorities should be contacted regarding the acceptability of any given Listing. Visit the QAI Online Listing Directory located at [www.qai.org](http://www.qai.org) for the most up to date version of this Listing and to validate that this QAI Listing is active. Questions regarding this listing may be directed to [info@qai.org](mailto:info@qai.org). Please include the listing number in the request.