



PLUMBING PRODUCTS LISTING PROGRAM

Customer: Reliance Worldwide Corporation DBA Cash Acme
Class: Plastic Piping and Accessories
Location: 2400 7th Ave. SW, Cullman, AL 35055
Website: www.rwc.com

Listing No. P343-1
Project No. P343-1
Effective Date: July 1, 2016
Last Revised November 16, 2020
Date:
Expires: <N/A>

Standards: ASTM E84 *“Standard Test Method for Surface Burning Characteristics of Building Materials”.*
CAN/ULC S102.2 *“Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies”.*
ASTM E119 *“Standard Test Methods for Fire Tests of Building Construction and Materials”.*
CAN/ULC S101 *“Standard Methods of Fire Endurance Tests of Building Construction and Materials”.*
UL 263 *“Fire Tests of Building Construction and Materials”.*

Product: Cross-linked Polyethylene PEX Piping, Fittings and Valves

Models: Cash Acme/SharkBite Type PEX-a (red, white, blue)
Cash Acme/SharkBite Type PEX-b (red, white, blue)
SharkBite EvoPEX (K-series) Push-to-Connect fittings
½” to 1” plastic crimp (barb) fittings
½” to 2” brass crimp (barb) fittings
SharkBite Universal (U-series) Push-to-Connect fittings
SharkBite 2XL (SB-series) Push-to-Connect fittings
SharkBite 2XLR (UXL-series) Push-to-Connect fittings

Markings: All PEX tubing, connectors, valves, and other accessories (if sufficient space available) shall be permanently marked with the following content applied to an area that is readily visible after installation:

- Manufacturer’s name or trademark
- Standard: ASTM E84, CAN/ULC S102.2
- Flame Spread Rating ≤ 25, Smoke Developed Rating ≤ 50 (FSI ≤ 25 / SDI ≤ 50)
- Nominal Size
- QAI logo with ‘c’ and ‘us’ identifier

Rating(s): **The following outlines the performance of the Cash Acme PEX pipe determined in accordance with the noted standards.**

ASTM E84 – Surface Burning Characteristics

| Limitations | Flame Spread Index | Smoke Developed Index |
|--|--------------------|-----------------------|
| Maximum 2-inch nominal diameter PEX-a or PEX-b piping, installed with rated minimum ½-inch pipe insulation ¹ . No spacing requirements between adjacent runs. Maximum SharkBite EvoPEX (k series) and plastic crimp fitting frequency of 1 every 6 inches, encased with approved pipe insulations ¹ . No spacing limitations on brass accessories. | <25 | <50 |

CAN/ULC S102.2 – Surface Burning Characteristics

| Limitations | Flame Spread Index | Smoke Developed Index |
|---|--------------------|-----------------------|
| Maximum 51 mm (2-inch) nominal diameter PEX-a or PEX-b piping, installed with rated minimum 13 mm (½-inch) pipe insulation ¹ . No spacing requirements between adjacent runs. Maximum SharkBite EvoPEX (k series) and plastic crimp fitting frequency of 1 every 152 mm (6-inches), encased with approved pipe insulations ¹ . No spacing limitations on brass accessories. | <25 | <50 |

Note¹: List of approved pipe insulation providers:

The following list of insulation types (at minimum thickness of ½" (13 mm)) are approved for use with Cash Acme/SharkBite PEX products (1/2" -2" (13 – 51 mm)). The insulation noted must be listed to ASTM C547 by an approved listing agency.

| Insulation | Flame Spread Rating (according to ASTM E84) | Smoke Developed Rating (according to ASTM E84) |
|-----------------------------|---|--|
| Johns Manville Micro-Lok | < 25 | < 50 |
| Johns Manville Micro-Lok HP | | |
| Owens Corning Fiberglass | | |



UL 263, ASTM E119, CAN/ULC S101 – Wall Assemblies

| QAI Design # | Wall Type | Load | Fire Endurance Period |
|----------------|------------------------------|-------------------------|-----------------------|
| P343-1A | Light Gauge Steel Stud | Non-Load Bearing | 1 Hour |
| P343-1B | Wood Dimensional Lumber Stud | Restricted Load-Bearing | 1 Hour |

Note: Pipe sizes are nominal dimensions.

UL 263, ASTM E119, CAN/ULC S101 – Floor / Ceiling Assemblies

| QAI Design # | Floor / Ceiling Type | Load | Fire Endurance Period |
|----------------|-------------------------------|-------------------------|-----------------------|
| P343-1C | Wood Dimensional Lumber Joist | Restricted Load-Bearing | 1 Hour |
| P343-1D | Concrete Slab and Beam | Load-Bearing | 2 Hour |

Note: 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 warranty 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 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. Please include the listing number in the request.
