1.0 SCOPE

1.1 This Standard shall govern the installation of composite piping in potable hot and cold water distribution systems within and under buildings and shall apply only to PEX-AL-PEX and PE-AL-PE piping meeting the requirements of ASTM F 1281 and ASTM F 1282 and fittings meeting the requirements of ASTM F 1974. Installation, materials, and inspection should comply with the current edition of the Uniform Plumbing Code published by the International Association of Plumbing and Mechanical Officials, and shall also comply with this standard and manufacturer’s installation recommendations.

NOTE: The following sections of the Uniform Plumbing Code shall apply to composite PEX-AL-PEX and PE-AL-PE tubing.

Chapter 2* DEFINITIONS

ASTM American Society for Testing and Materials

IAPMO International Association of Plumbing and Mechanical Officials

PEX-AL-PEX Crosslinked Polyethylene-Aluminum-Crosslinked Polyethylene

PE-AL-PE Polyethylene-Aluminum–Polyethylene

UPC Uniform Plumbing Code as published by IAPMO

2.0 PRODUCT REQUIREMENTS

2.1 Materials and Fittings

2.1.1 Materials. Materials shall comply with the following requirements:

<table>
<thead>
<tr>
<th>Materials</th>
<th>ASTM Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crosslinked Polyethylene-Aluminum-Crosslinked Polyethylene (PEX-AL-PEX)</td>
<td>F 1281</td>
</tr>
<tr>
<td>Polyethylene-Aluminum–Polyethylene (PE-AL-PE)</td>
<td>F 1282</td>
</tr>
<tr>
<td>Metal Insert Fittings for PEX-AL-PEX and PE-AL-PE composite pipe</td>
<td>F 1974</td>
</tr>
</tbody>
</table>

2.1.2 Piping. PEX-AL-PEX composite pipe shall comply with ASTM F 1281. PE-AL PE composite pipe shall comply with ASTM F 1282.