



Submittal Specification – (US/Canada)

Date: _____

Job Name: _____ Location: _____

Engineer: _____ Contractor: _____

SCOPE:

This specification covers the material requirements for FlowGuard Gold® CPVC SDR 11 Copper Tube Size (CTS) pipe and fittings. Both the pipe and fittings are manufactured in North America and meet or exceed the requirements set forth by ASTM D2846, and NSF/ANSI Standards 14 and 61. Transition connections to fixtures, equipment or appurtenances shall be certified to ASTM F1970.

CPVC MATERIALS:

FlowGuard Gold® CPVC pipe and fittings are extruded/molded from Lubrizol CPVC compounds. The pipe compound meets cell class 24448 and the fitting compound meets cell class 23447 as defined by ASTM D1784. Both the pipe and the fitting compounds are certified by NSF International for use with potable water.

DIMENSIONS AND PROPERTIES:

Dimensions, tolerances and physical properties meet or exceed the requirements of ASTM D2846.

COMPATIBILITY:

The contractor shall use ancillary building products (including, but not limited to fire stops, thread sealants, leak detectors, etc.) that are chemically compatible with Lubrizol CPVC compounds. The contractor shall consult the FBC System Compatible program for guidance on compatibility by visiting www.FBCSystemCompatible.com.

SOLVENT WELDING:

All socket type joints shall be assembled employing solvent cements that meet or exceed the requirements of ASTM F493. The standard practice for safe handling of solvent cements shall be in accordance with ASTM F402. Solvent cement shall be listed by NSF International for use with potable water and shall be approved by the FlowGuard Gold® pipe and fittings manufacturers.

FLAME AND SMOKE REQUIREMENTS:

Confirm compliance of all installed CPVC piping systems within return air spaces/plenums with that of the local industry acceptable flame/smoke standards. Water-filled and Dry FlowGuard Gold® CPVC pipe and fittings (½" through 2") tested in general accordance with UL 723/ASTM E 84 shall meet the 25/50 flame and smoke requirement and shall be permitted to be installed in return air plenums, reference ICC-ES PMG 1264.

MARKING:

The marking on the CPVC pipe and fittings shall meet the requirements of ASTM D2846 and state the pipe/fitting manufacture's name or trademark, the material designation, the size, the NSF mark for potable water and the ASTM designation (ASTM D2846).