

Submittal for GF ChlorFIT® Schedule 80 CORZAN® CPVC piping system for hot and cold domestic water distribution

Date: _____

Job Name: _____ Location: _____

Engineer: _____ Contractor: _____

Scope:

This specification covers ChlorFIT® Schedule 80 Corzan® CPVC pipe and fittings, 1/2" - 6", for domestic hot and cold water distribution systems. ChlorFIT® is intended for applications where the continuous operating temperature is 160°F or below. To ensure compatibility, all pipe, valves and fittings shall be manufactured and supplied by Georg Fischer Piping Systems.

Materials:

Pipe and fittings shall be manufactured from CORZAN® Type IV, Grade I Chlorinated Polyvinyl Chloride (CPVC) compounds. Pipe is manufactured in conformance to ASTM F441 with a cell classification of 24448 per ASTM D1784. Fittings are manufactured in conformance to ASTM F439 with cell classification of 23447 per ASTM D1784. Pipe and fittings are produced in the USA using domestic materials, by an ISO 9001 certified manufacturer. Pipe and fittings carry the NSF National Sanitation Foundation (NSF) Standard 14 & 61 listings for potable water applications and shall be listed as meeting UL 723/ASTM E84 25/50 flame smoke rating per ICC-ES PMG-1264 test report. Transition fittings have type 316L stainless steel male or female NPT connections with integral CPVC socket connections.

Installation:

Installation and testing shall be performed in accordance with applicable code requirements, manufacturer's recommendations and the solvent cement manufacturer's written instructions.

WARNING! NEVER use or test ChlorFIT® pipe, valves and fittings with compressed air or other gases. NEVER test with a combination of compressed gases or air with water or fluids.

Referenced Standards:

ASTM D 1784: Rigid PVC Compounds and CPVC Compounds
 ASTM F 441: CPVC Plastic Pipe, Schedules 40 and 80
 ASTM F 439: CPVC Plastic Pipe Fittings, Schedule 80
 ASTM F 1970: Special Engineered Fittings, Appurtenances or Valves
 NSF Standard 14: Plastic Piping System Components and Related Materials
 NSF Standard 61: Drinking Water System Components-Health Effects
 ASTM E 84: Surface Burning Characteristics of Building Materials
 IAPMO Listing: http://www.iapmoes.org/Documents/Uel_5002.pdf
 ICC Listing: http://www.icc-es-pmg.org/Listing_Directory/pdf/PMG-1264.pdf

www.chlorfit.com

