



June 25, 2010

Re: Submittal information

To whom it may concern:

Allow this letter to serve as certification that material provided by Specified Fittings conforms to the following:

Schedule 40 PVC pipe:

All PVC Schedule 40 pipe shall be manufactured from a Type I, Grade I Polyvinyl Chloride (PVC) compound with a Cell Classification of 12454 per ASTM D1784. The pipe shall be manufactured in strict compliance to ASTM D1785 and D2665 (where applicable), consistently meeting and/or exceeding the Quality Assurance test requirements of these standards with regard to material, workmanship, burst pressure, flattening, and extrusion quality. This pipe shall carry the National Sanitation Foundation (NSF) seal of approval for potable water applications.

Schedule 80 PVC pipe:

All PVC Schedule 80 pipe shall be manufactured from a Type I, Grade I Polyvinyl Chloride (PVC) compound with a Cell Classification of 12454 per ASTM D1784. The pipe shall be manufactured in strict compliance to ASTM D1785, consistently meeting and/or exceeding the Quality Assurance test requirements of this standard with regard to material, workmanship, burst pressure, flattening, and extrusion quality. This pipe shall carry the National Sanitation Foundation (NSF) seal of approval for potable water applications.

Schedule 40 and Schedule 80 CPVC pipe:

All CPVC Schedule 40 and schedule 80 pipe shall be manufactured from a Type IV, Grade I Chlorinated Polyvinyl Chloride (CPVC) compound with a Cell Classification of 23447 per ASTM D1784. The pipe shall be manufactured in strict compliance to ASTM F441, consistently meeting the Quality Assurance test requirements of this standard with regard to material, workmanship, burst pressure, flattening, and extrusion quality. This pipe shall carry the National Sanitation Foundation (NSF) seal of approval for potable water applications.

CPVC Duct pipe:

All exhaust duct piping, sizes 6" through 24", shall be CPVC seamless extruded type. This duct pipe shall be extruded from Chlorinated Polyvinyl Chloride (CPVC) compound with a Cell Classification of 23447 per ASTM D1784; trade name CPVC. All extruded duct pipe shall carry a maximum temperature rating of 200^aF. All extruded CPVC duct

pipe shall be marked with the manufacturer's name or identifying symbol, and the CPVC material trademark.

Injection molded Schedule 80 PVC Fittings:

ASTM D-2464 -- Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80

ASTM D-2467 -- Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80.

ASTM D-1784 -- Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.

Injection molded Schedule 40 PVC Fittings:

ASTM D-2464 -- Threaded Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40

ASTM D-2466 -- Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40.

ASTM D-1784 -- Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.

Injection molded Schedule 80 CPVC Fittings:

ASTM D437 -- Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80

ASTM D439 -- Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80.

ASTM D-1784 -- Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.

Fabricated Schedule 40 and Schedule 80 PVC and CPVC Fittings:

ASTM D-1784 -- Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.

All fittings shall be rated for the maximum pressure rating of the pipe and diameter from which they are fabricated.

--Exceptions include :

--Lateral Wyes are limited to 100 psi.

--Flanges and flanged-end fittings are limited to 150 psi.

Fabricated PVC Fittings for IPS Series Pipe:

ASTM D1784, "Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds."

ASTM D3139, "Standard Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals."

ASTM F477, "Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe."

Vacuum Service:

All fittings, fabricated and molded can be tested to a minimum of 24" of mercury for a 5-minute duration.

Fiberglass reinforcement:

The use of reinforcement to achieve required pressure ratings is not disallowed by standards and specifications, and the use of fiberglass overlay is common and accepted industry practice. Indeed, to the best of our knowledge, all but one manufacturer of fabricated pressure fittings in the U.S. will use such reinforcement. For fittings designed for use at pressures in excess of 130 psi may be reinforced where reinforcement has been deemed necessary for proper fitting performance. Further, you can be assured that each fitting that receives such reinforcement will undergo the same Quality Assurance process in place at Specified Fittings, and will be found acceptable as per ASTM D2563, and shall be free of visible chips, cracks, foreign inclusions, air bubbles, lack of fill-out, delamination and sharp obtrusive surfaces as defined in ASTM D 2563.

Flange Adapters:

Flange adapters from 2" through 12" shall be equipped with a PVC backing ring, made from material conforming to ASTM D1784.

Flange adapters in diameters 14" and greater shall be equipped with an epoxy coated ductile iron backing ring rings coated with: RAL037 epoxy powder containing:
--epoxy resin (#604), polyester resin, titanium dioxide, solidifier, and others,
heated to 450 degrees to a thickness of 7-12 mil.

Other flange ring materials and coatings available.

Please contact me if you have any questions.

Thank you,
Brad Sukolsky
Specified Fittings