

January 10, 2023

RE: Wheatland's sprinkler pipe conforming to ASTM A53, A795 or A135

Dear Valued Customer:

Wheatland Tube Company manufactures pipe by two different methods; the continuous butt-weld method (Type F) and the Electric Resistance Welded (ERW or Type E) method.

Wheatland also makes sprinkler pipe that meets one of three ASTM pipe specifications; ASTM A53, A135 and/or A795.

ASTM A53 is the standard specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless.

ASTM A795 is the standard specification for Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Fire Production Use.

ASTM A135 is the standard specification for Electric-Resistance-Welded Steel Pipe.

There are a few differences between the three specifications. The biggest difference is that A135 is made by the Electric-Resistance-Welded method (only). The A795 specification is for both welded and seamless. ASTM A53 includes three methods of pipe manufacturing, continuous butt-welded (Type F), Electric-Resistance-Welded (Type E), and Seamless (Type F).

Another difference is that ASTM A53 (welded pipe) must be hydrostatically tested. The A795 and A135 specification allows nondestructive eddy current or ultrasonic testing in lieu of hydrotesting. ASTM A795 and ASTM A135 are synonymous with sprinkler piping and ASTM A53 is known as pressure piping for gas, steam, water and air and is also commonly used for sprinkler pipe.

All three pipe specifications (A135, A795 and A53) are referenced as suitable piping for sprinkler systems in the NFPA 13 Standard *Installation of Sprinkler Systems*.

Wheatland's Sprinkler pipe are allowed for use by ASTM, approved by Factory Mutual (FM) and listed by Underwriters Laboratories (UL) for use as sprinkler piping.

Furthermore, all of Wheatland's black pipe products include the MIC SHIELD coating, which is an additive to the inside surface of the pipe to fight against microbiologically influenced corrosion. The MIC Shield coating can be identified on the pipe because the information is included on the pipe stencil.

If I can be of any further assistance, please do not hesitate to contact me.

Sincerely,



Tiffany Dunworth
Technical Services Manager