




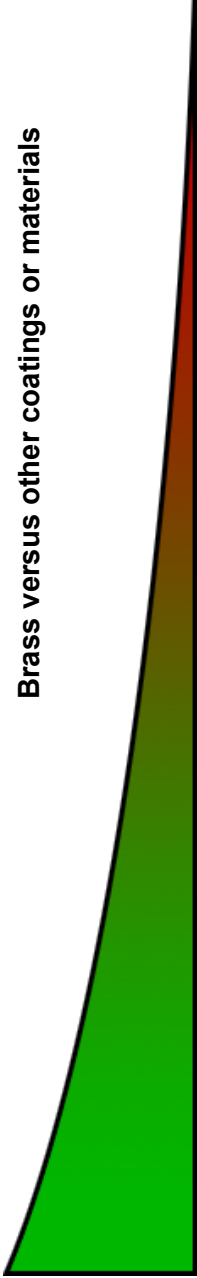















**BULLETIN**

**SPRINKLER CORROSION RESISTANT FINISHES**

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Corrosion resistant sprinklers are designed to resist exterior elements that attack a standard brass sprinkler. Corrosion resistant sprinklers may have a coating or may be constructed of a corrosion resistant material. The level of corrosion resistance required is determined by the conditions that a sprinkler would experience during its installed lifetime in a corrosive environment.

SPRINKLER IMAGE	DESCRIPTION	CORROSION RESISTANT <sup>1</sup> COATED PARTS	CORROSION RESISTANCE SPECTRUM
	Brass Finish – Provides the least corrosion resistance of any sprinkler finish. Subject to oxidation, (turning green), when exposed to moisture.	<b>No Coated Parts</b>	
	Chrome Finish – An ornamental finish that provides minimally more corrosion resistance than brass only.	<b>Frame Deflector</b>	
	White/Black Polyester Finish – A ornamental finish that provides higher corrosion resistance than chrome or brass. The waterway is not coated.	 <b>Frame Deflector</b>	
	Black PTFE <sup>4</sup> Finish – A finish is applied to sprinkler and pip cap. PTFE has a higher corrosion resistance than a polyester finish. Waterway is only coated in open sprinklers.	 <b>Frame Deflector Pip Cap</b>	
	Wax Coated Finish – A brass sprinkler is dipped in wax. The entire sprinkler is coated with the protective covering (except for glass bulb). Waterway is not coated.	 <b>Whole Assembly</b>	
	Wax over Polyester Coated Finish – A polyester finished sprinkler is dipped in wax. The entire sprinkler is coated with the protective covering (except for glass bulb). The waterway is not coated.	 <b>Whole Assembly</b>	
	Electroless Nickel PTFE <sup>2,3</sup> (ENT) – Coating is applied using a non-electric, auto-catalytic process that maximizes the coating's durability and anti-adhesion properties. The sprinkler is thoroughly coated including the water way, screw, and pip cap. The spring is PTFE <sup>4</sup> coated on both sides.	  <b>Whole Assembly Belleville Spring PTFE Coated</b>	
	Stainless Steel – Designed for corrosive environments that cause brass sprinklers to deteriorate. The frame, deflector, screw, and pip cap are made from solid stainless steel. The spring is made from Nickel Alloy, and PTFE <sup>4</sup> on both sides.	  <b>Whole Assembly constructed from Stainless Steel</b>	

1. Corrosion resistance does not mean corrosion proof. A sprinkler's data page indicates its materials of construction.  
 2. ENT has not been evaluated for environments containing chlorine, such as indoor swimming pools. It is not recommended for these applications.  
 3. Appropriate finish and parts choice for an environment is the responsibility of the customer.  
 4. PTFE is often better known by the common brand name Teflon®, which is a registered trademark of DuPont.  
 Contact Viking Technical Services for additional information.