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1. TESTING

Viking's Electroless Nickel PTFE (ENT)¹ finish has been investigated for installation in corrosive atmospheres and is cULus Listed and FM Approved as corrosion resistant as indicated in the appropriate sprinkler technical data pages.

ENT¹ coated Viking sprinklers have successfully undergone the UL 199 30-Day corrosion test.

- 30 day 20% salt fog
- 30 day moist hydrogen sulfide air mixture test
- 30 day moist CO₂-sulfur dioxide air mixture test.

After completion of the 30 day exposure test, ENT coated sprinklers were subjected to an oven heat sensitivity test to verify functionality and operating time of the sprinkler.

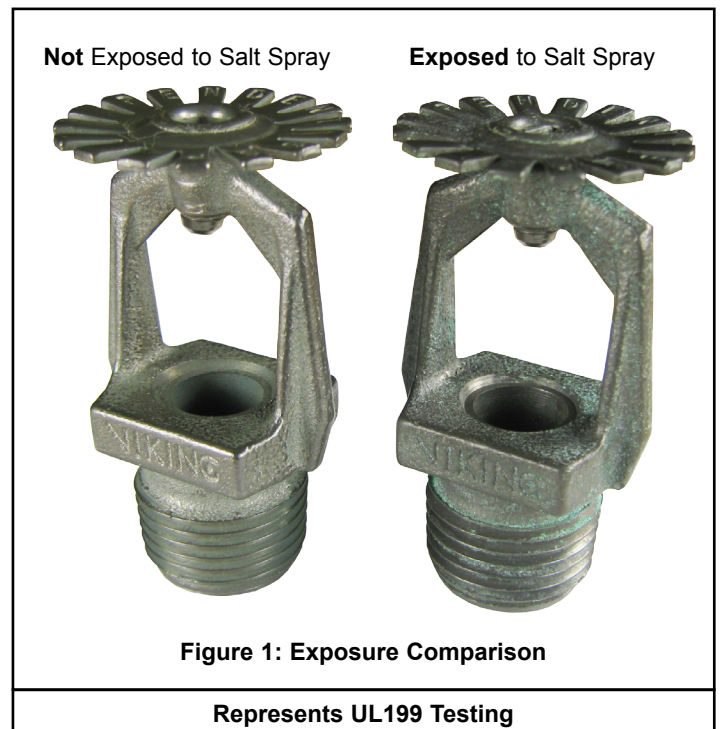
¹ ENT has not been evaluated for environments containing chlorine, such as indoor swimming pools. It is not recommended for these applications. Contact Viking Technical Services for additional information.

2. DURABILITY

Electroless Nickel is an alloy of nickel and phosphorous. It is an "autocatalytic coating," which means it can be applied to the sprinkler without the use of electricity. Because the deposit is applied without an electric current, its thickness is uniform on all areas in contact with the solution.

The inherent bond strength of Electroless Nickel makes the coating more durable and long-lasting compared to other alternatives. The increased hardness and uniform distribution of the ENT coating also provides better resistance to scratching, chipping, and flaking.

Viking ENT sprinklers are nearly completely coated, including the waterway. The Belleville spring is manufactured from a nickel alloy, and coated on both sides with PTFE tape.



3. POSSIBLE APPLICATIONS

In addition to decorative applications the corrosion resistant properties of the Electroless Nickel PTFE coating excel in these recommended occupancies.

- Parking Garages
- Salt Air Areas
- Certain Industrial Wash Down Areas

