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1. TESTING

Viking's Electroless Nickel PTFE (ENT)¹ finish has been investigated for installation in corrosive environments and is cULus Listed as corrosion resistant and FM Approved as corrosion proofing for installation in corrosive environments 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

Viking ENT Sprinklers are more durable and long-lasting compared to other alternatives. The coating has a uniform thickness on all surfaces including the waterway. The ENT finish is an alloy of nickel and phosphorous and the bellville spring is manufactured from a nickel alloy then coated on both sides with polytetrafluoroethylene (PTFE) tape which adds to the durability of the sprinkler. The ENT plating is applied using an autocatalytic process that creates a uniform coating on all surfaces without the use of electricity leading to a durable bond with the base material. The final product provides increased resistance to scratching, chipping and flaking.

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

