



Vertical Turbine Pumps

200.E.04 *(Effective January 1, 2005)*

PROTECTIVE COATINGS

A. Potable Water (drinking water) where no odor or contamination is allowed, such as in the food processing industry.

Type I/III Tnemec 140 (Epoxy applied at 4-6 mils per coat. Total minimum thickness is 8 mils. for **Type I** and 20 mils for **Type III**. Maximum service temperature 130° F.)

Type IV ScotchKote 134 (Fusion banded power epoxy applied at 10-12 mils, Maximum service temperature of 160° F.)

Note: These coatings are certified by **NSF International** in accordance with **ANSI/NSF Std. 61**.

B. Sea Water, Brackish Water and Brine

Type I Carboline Bitumastic 300M (Coal tar epoxy applied at 9 mils per coat, maximum 18 mils. Maximum service temperature 120° F.)

Type I/III Engard 460 (Epoxy applied at 10 mils per coat. Maximum 20 mils. Maximum service temperature 140° F.)

Type II Carbozinc 11 (Inorganic zinc at 2-3 mils per coat. DO NOT use this coating for acid or alkali solution **without** a suitable topcoat. Maximum service temperature 200° F.)

Type IV ScotchKote 134 (Fusion banded power epoxy applied at 12 mils, Maximum service temperature of 160° F.)

Note: If moderate amounts of sand are present in the pumpage, these coatings, applied at recommended maximum mils, also provide good wear protection for the interior of steel column and discharge head, and exterior surface of enclosing tubing.

Coatings for these liquids require pinhole-free surface, and smoothly ground welds, refer to factory for pricing of steel surfaces preparation.

C. River Water with Abrasives (silt and sand)

Type I Carboline Bitumastic 300M (Coal tar epoxy applied at 9 mils per coat, maximum 18 mils. Maximum service temperature 120° F.)

Type I/III Engard 460 (Epoxy applied at 10 mils per coat. Maximum thickness 20 mils. Maximum service temperature 140° F.)

Type IV ScotchKote 134 (Fusion banded power epoxy applied at 12 mils, Maximum service temperature of 160° F.)

Note: If moderate amounts of sand are present in the pumpage, these coatings, applied at recommended maximum mils, also provide good wear protection for the interior of steel column and discharge head, and exterior surface of enclosing tubing.

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- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

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