

CALBOND PRODUCT SPECIFICATIONS

- A. The conduit shall be hot dipped galvanized inside and out with galvanized threads.
- B. The PVC coated conduit must be listed by UL with both the Zinc Coating and the PVC Coating Each serving as PRIMARY COATINGS by itself under UL-6.
- C. The PVC Coating on the Conduit shall conform in ALL RESPECTS to the NEMA RN-1 Standard.
- D. All fittings shall be UL listed prior to coating.
- E. All Fittings shall be supplied with Stainless Steel Screws equipped with PVC Encapsulated heads.
- F. All Conduit and Fittings shall have a 2 mil (.020”) thick Urethane coating on their interior surfaces. The bond of the interior coating shall be tested using the Tape Test method (ASTM D3359) and will show no trace of paint after an Acetone wipe using test method (ASTM D1308).
- G. All Male threads of Elbows, Nipples and factory offsets will be Galvanized.
- H. All Female threads will be protected by a Urethane coating.
- I. All Female threads will have a PVC flexible sleeve extending from them to facilitate complete coverage of the installed conduit. The length of the sleeve will be one pipe diameter but no more than 2”.
- J. All Conduit Clamps will be oversized to fit the PVC Coated Conduit or will be made of Stainless Steel.
- K. The following test methods shall be used in evaluating Calbond Conduit and Fittings:
 - 1. ASTM D149 - 09 Standard Test Method for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies.
 - 2. ASTM D1735 - 08 Standard Practice for Testing Water Resistance of Coatings Using Water Fog Apparatus.
 - 3. ASTM D2247 - 11 Standard Practice for Testing Water Resistance of Coatings in 100% Relative Humidity.
 - 4. ASTM D2240 - 05(2010) Standard Test Method for Rubber Property—Durometer Hardness.
 - 5. ASTM D1308 - 02(2007) Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
 - 6. ASTM D638 - 10 Standard Test Method for Tensile Properties of Plastics.
 - 7. ASTM D746 - 07 Standard Test Method for Brittleness Temperature of Plastics and Elastomers by Impact.
 - 8. ASTM D1151 - 00(2006) Standard Practice for Effect of Moisture and Temperature on Adhesive Bonds.
 - 9. ASTM D870 - 09 Standard Practice for Testing Water Resistance of Coatings Using Water Immersion.
 - 10. ASTM G152 - 06 Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of
 - 11. ASTM G153 - 04(2010) Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials.

CALBOND PRODUCT SPECIFICATIONS (cont.)

12. ASTM D3359 - 09e2 Standard Test Methods for Measuring Adhesion by Tape Test.
13. ASTM D4585 - 07 Standard Practice for Testing Water Resistance of Coatings Using Controlled Condensation.
14. ASTM B571 - 97(2008)e1 Standard Practice for Qualitative Adhesion Testing of Metallic Coatings.