

ETL VERIFIED PVC-COATED ALUMINUM CONDUIT

Plasti-Bond[®]
A ROBROY Brand

The FIRST in the Industry with ETL Verified PVC-Coated Aluminum Conduit

When it comes to electrical systems, verifying quality and safety isn't optional—it's essential. For years, Plasti-Bond's PVC-coated steel conduit has proudly carried ETL verification, proving its ability to perform in the harshest, most corrosive environments.

Now, that same trusted third-party verification extends to our PVC-coated aluminum conduit—offering proven corrosion resistance and long-term reliability in a choice of materials to align with job requirements.

Best of all, this new ETL verification comes at **no additional cost** and with **no part number changes**. You'll receive the same dependable conduit you already know and specify—now verified for even greater confidence in performance.

What ETL Verification Means

Intertek's ETL certification is one of the world's most recognized marks for third-party product testing and verification. When a product is shown to be **ETL Verified**, it means it has been independently tested and verified for consistent, repeatable performance based on rigorous industry standards.

For PVC-coated conduit systems, ETL verification confirms that the bond between the PVC coating and the metal substrate can withstand prolonged exposure to heat, humidity, and corrosion—conditions often found in petrochemical, wastewater, and marine environments.

In short: ETL verification ensures proven performance over time, not just on paper.

Why ETL Verification Matters

ETL verification provides third-party assurance that a conduit system will perform as specified, even after continuous exposure to harsh conditions. By subjecting products to rigorous, accelerated testing and ongoing inspections, ETL ensures that the reliability demonstrated in the lab translates directly to the field.

For end users, engineers, inspectors, and contractors, ETL verification ensures confidence that the conduit will maintain its protective coating, that installations will pass inspection, and that the system will deliver dependable performance over time. It reduces risk, supports compliance with demanding specifications, and ultimately safeguards the integrity of the entire electrical system.

In summary:

- + **Independent Assurance:** Verification by a trusted third-party testing organization.
- + **Proven Durability:** Demonstrated long-term adhesion and performance under extreme conditions.
- + **Specification Compliance:** Meets NEMA RN-1 section 3.8 per ETL PVC-001, ensuring coating adhesion and reliable product performance.
- + **Risk Reduction:** Minimizes costly failures, downtime, or rework in critical environments.
- + **Customer Confidence:** Provides peace of mind that the product will perform as intended throughout its service life.



Behind the ETL Verification Process

To achieve ETL verification, conduit samples are subjected to standardized tests that measure coating adhesion, durability, and long-term bond performance.

These tests include:

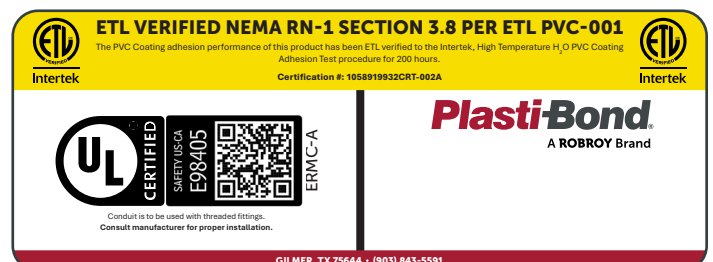
- + **ASTM D870:** 200 hours of boiling water immersion at 212°F.
- + **NEMA RN-1 Adhesion Test:** After boiling, the PVC coating is cut and pulled from the conduit surface. The coating must tear away from itself rather than separate from the metal—proving that adhesion exceeds the strength of the material.

ETL's verification doesn't end there—ongoing quarterly inspections ensure continuous compliance and consistent quality.



Don't See the Yellow ETL Verified Label?

Then you are NOT installing ETL Verified conduit!
Always look for the yellow label to confirm genuine ETL verification.



Features

- + Manufactured from 6061 aluminum alloy for corrosion resistance.
- + Available in trade sizes 1/2 in.–6 in.
- + Each stick of coated aluminum conduit includes a coated coupling (supplied separately).
- + Aluminum conduit is recognized as an equipment grounding conductor in accordance with the National Electric Code®.
- + Color-coded thread protector caps for quick identification of conduit trade size.
- + Smooth internal finish with urethane internal coating for easy wire pulling.
- + UL certified to UL 6A for safety compliance, approved for use in US and Canada.
- + ETL Verified to NEMA RN-1 Section 3.8 in accordance with PVC-001.

Materials and Finishes

- + Material - 6061 aluminum alloy
- + Nominal 40 mil gray PVC exterior coating
- + 2 mil interior urethane coating to ease friction during wire pulls

Certifications and Compliances

- + cULus Listed, UL 6A, C22.2 No. 45, UL File Number: E98405
- + ETL Verified to NEMA RN-1 Section 3.8 in accordance with PVC-001



Why Aluminum?

Plasti-Bond's PVC-coated aluminum conduit combines proven corrosion protection with the advantage of lightweight construction. Compared to steel, aluminum conduit is easier to handle and maneuver—reducing labor fatigue and speeding up workflow—while maintaining the reliability and durability contractors expect from Plasti-Bond products.

- + **Lightweight:** Easy to carry, lift, and install—especially overhead or in tight spaces.
- + **Easy Handling:** Simple to cut, bend, and join.
- + **Ideal for Retrofits and Elevated Runs:** Where handling challenges are magnified.

Ordering Information

Catalog Number	Description	Weight Per Pricing Unit (lbs./100 ft.)	Standard Pack Quantity (ft.)
PRCONDUIT-AL-1/2	1/2 in. PVC-Coated Aluminum Conduit	33	2710
PRCONDUIT-AL-3/4	3/4 in. PVC-Coated Aluminum Conduit	43	2170
PRCONDUIT-AL-1	1 in. PVC-Coated Aluminum Conduit	63	1270
PRCONDUIT-AL-1-1/4	1-1/4 in. PVC-Coated Aluminum Conduit	82	910
PRCONDUIT-AL-1-1/2	1-1/2 in. PVC-Coated Aluminum Conduit	102	910
PRCONDUIT-AL-2	2 in. PVC-Coated Aluminum Conduit	134	610
PRCONDUIT-AL-2-1/2	2-1/2 in. PVC-Coated Aluminum Conduit	206	370
PRCONDUIT-AL-3	3 in. PVC-Coated Aluminum Conduit	267	330
PRCONDUIT-AL-3-1/2	3-1/2 in. PVC-Coated Aluminum Conduit	320	190
PRCONDUIT-AL-4	4 in. PVC-Coated Aluminum Conduit	376	190
PRCONDUIT-AL-5	5 in. PVC-Coated Aluminum Conduit	505	150
PRCONDUIT-AL-6	6 in. PVC-Coated Aluminum Conduit	659	100

