

INTERPROVINCIAL CORROSION CONTROL

Federally Incorporated in 1957, Interprovincial Corrosion Control Company Limited, (ICCC) provides professional engineering services and the supply and manufacture of Corrosion Control/Cathodic Protection Materials to major "end-users" throughout North America. ICCC is a sustaining member of the National Association of Corrosion Engineers (NACE) with experienced Corrosion Engineers on staff; specializing in the protection of buried or immersed steel structures (i.e., water/natural gas pipelines, fuel storage tanks, petroleum refineries, et al) by the proven technique of Cathodic Protection.

ICCC manufactures a variety of product lines to serve our focused industry. With 49+ years experience in the corrosion control/cathodic protection business, we are highly qualified to offer sound engineering design and high quality products to meet the expectations of our valued customers.

In addition, ICCC manufactures the patented Rustrol® Product Line, for world-wide distribution. The Rustrol® Polarization Cell and Cathodic Isolator™ Systems provide the industry the flexibility to design electrically safe cathodic protection systems whereby, the combination of absolute AC continuity to the grounding network and nominal DC blockage required for cathodic protection, can be achieved when undertaking corrosion control design. Rustrol® Systems are designed and utilized world-wide to protect the safety of the general public, operating personnel and equipment during electrical disturbances (i.e., AC fault currents, lightning, AC induction, etc.).

Evolution

ICCC has been located in Burlington since it's incorporation in 1957. Originally, ICCC owned/operated a 6500 square foot building located at 1150 Plains Road in Burlington. In 1989, realizing that ICCC was outgrowing this facility, a decision was made to design and build a new head office and manufacturing facility. In March of 1990, the company relocated to our present location, a 20,000+ square foot building located at 930 Sheldon Court, Burlington.

ICCC's clientele includes major petroleum and natural gas companies, power utility companies, the water utilities for most major cities and municipalities throughout Canada, as well as many other industry related clients and contractors across North America. ICCC is a corporate member of the National Association of Corrosion engineers (NACE), American Water Works Association (AWWA), the Professional Engineers of Ontario (PEO) and the Institute of Corrosion U.K. (Icorr).

To assist ICCC's continued efforts to expand and service our market throughout North America, in 1972, Interprovincial Corrosion Control Company Ltd. incorporated an affiliated company International Corrosion Control Inc., located in Lewiston, N.Y., U.S.A.

A Wide Range of Cathodic Protection Materials are available including:

- Sacrificial Anodes, (i.e., magnesium and zinc)
- Impressed Current Anodes
- Cathodic Protection Rectifiers
- Testing and Survey Instrumentation
- Test Stations and Line Markers
- Pipeline Pigging Products
- Monolithic Isolating Joints (IsoBloc®) and Unions
- Corrosion Pipe Tape

EMCO Corporation Waterworks is not responsible for any errors and discrepancies in the products depicted herein. Information is provided directly from our suppliers.



- **MAXMAG® Magnesium Anodes**

MAXMAG® Magnesium Anodes are the most widely used sacrificial anodes for cathodic protection of metallic structures buried in soil or other electrolytes. **MAXMAG® Magnesium Anodes** produce maximum driving potential, offering more protective DC current for cathodic protection purposes and are available in a complete line of weights, shapes and dimensions. Magnesium Anodes are manufactured to strict ASTM standards of chemistry, production control, testing and certification.



- **"ULC Listed" Tank Anodes**

"ULC Listed" Tank Anodes are designed for use in the Cathodic Protection of steel underground tanks which have been coated and installed in accordance with standard requirements. "ULC Listed" Anodes are manufactured from cast or extruded magnesium material on a hot dipped galvanized mild carbon steel bar (core) to strict standards of chemistry, production control, testing and certification. The anode surfaces are surrounded by a chemical backfill mixture contained in a moisture absorbing cardboard tube.

- **GALVOLINE™ Magnesium Ribbon Anode**

The **GALVOLINE™ Magnesium Ribbon Anodes** offer important advantage in cost, performance and ease of installation and are ideally used in environments with high resistivity soil/electrolyte...

GALVOLINE™ Ribbon Anode is available as 3/8" x 3/4" extrude ribbon, manufactured with the high-current output composition.

GALVOLINE™ Magnesium Ribbon Anodes are manufactured in accordance with a high quality assurance process which includes composition analysis and performance testing of production anodes, core wire centering, surface finish, internal soundness, anode weight, and packaging.



• Zinc Anodes

Zinc Anodes are utilized to prevent corrosion in select soils, including brackish and saltwater environments. Zinc Anodes can be utilized as an electrical ground or as permanent references to be installed below tank bottoms. Zinc Anodes have a 90% current efficiency with an open circuit potential to a copper/copper sulphate reference electrode of -1.1 volts.

Sacrificial Zinc Anodes and Zinc Reference Electrodes are available in a variety of weights, dimensions and shapes, all manufactured to quality control standards.



• Plattline™ Zinc Ribbon Anodes

The **Plattline™ Zinc Ribbon Anodes** are ideal for Cathodic Protection of above ground storage tanks bottoms. Zinc Ribbon Anodes can also be utilized as a temporary cathodic protection system prior to installation of an impressed current system.

Plattline™ Zinc Ribbon Anodes are used in a variety of applications: for cathodic protection of buried pipelines, AC mitigation on pipelines, for sacrificial cathodic protection of aboveground storage tank bottoms and for many other corrosion control applications.

The Plattline™ Zinc Ribbon products:

- are easy to install
- have a self regulated current output
- have a normal design life of 20 years or more



- **Zinc Anode Caps**

Cor-Cap®, Zinc Anode Cap, is a sacrificial zinc nut (Sac Nut or Zinc Nut) or galvanic anode which is utilized for Cathodic Protection of flanges, mechanical fittings and gland/ring assemblies installed on metallic (i.e., iron) joints for direct burial. To increase the amount of Cathodic Protection and/or the design life of the installation, multiple Cor-Cap®'s can be installed on each bolt. Cor-Cap®'s are not recommended for use on stainless steel nuts and bolts as this will accelerate the rate of corrosion activity on the assemblies.

Cor-Cap® Zinc Anode Caps are manufactured to meet ASTM Standard B418 (latest revision), Type II and can be purchased in several sizes, including but not limited to:

Cor-Cap® Zinc Anode Caps are manufactured to meet ASTM Standard B418 (latest revision), Type II and can be purchased in several sizes, including but not limited to:

- **UNC ½" Threaded, Zinc Anode Cap**
- **UNC ⅝" Threaded, Zinc Anode Cap**
- **UNC ¾" Threaded, Zinc Anode Cap**
- **UNC 1" Threaded, Zinc Anode Cap**



[Download Brochure](#)



- **Cadweld Products by Erico**

Erico Cadweld connections are the accepted method of attaching Cathodic Protection lead wires to pipes, tanks and other metallic structures. The Cadweld connections weld the conductors and the metallic structures to be cathodically protected together to ensure that galvanic corrosion can occur at the interface. The Cadweld process provides minimum heat effect on steel, which is especially important on thin-wall, high stress pipes.



Cadweld connections can also be used for header cable taps, conductor splices/ terminations, and ground rod connections.

- **Cadweld Plus System**

The new Cadweld Plus System offer the following benefits:

- Withstands repeated fault currents without failing during operation
- Exceeds requirements of "IEEE Std 837 – Std. For Qualifying Permanent Connections Used in Substation Grounding"
- Joins copper to copper, copper to galvanized or plain steel, copper to copper clad steel, copper to bronze/brass/stainless, steel to steel, etc.
- Current carrying capacity equal to or greater than that of the conductor
- Permanent, molecular bond that will not loosen or corrode, resulting in a connection with a lifetime equal to that of the installation
- No external power or heat source required
- Quality Assurance Inspection is easy and visual
- Minimal installation training required



- **Handy Caps by Royston**

The Royston Handy Caps are designed for buried applications, and may be used to protect all anode lead wire and test wire weld areas/connections.

Use of a Royston Handy Cap is economical and they the application onto any welded connection without the use of a primer is simple and easy. Handy Caps are ideal for use in limited access situations, they can be easily manipulated easily and applied at arm's length.

The elastomeric tape possesses exceptional adhesive properties and is resistant to all normally encountered application and operation temperatures.

No further weld/connection protection is necessary when Royston Handy Cap cover the entire exposed metal area.



[Royston Handy Cap Brochure](#)
[Calpico T-Caps Brochure](#)

- **Calpico T-Cap**

The Calpico T-Caps are ideal for covering welds made on jumper cables, or when attaching anode wire to pipes, fittings or tanks.

The T-Caps can be installed by simply removing the release paper and affixing it manually over the thermitweld connection.

The product contained within the plastic igloo type material is a soft rubberized compound. This compound flows around the weld and wire connection to form a resistant insulation around the thermitweld.

It is advisable to apply Calpico #22 Primer before applying the T-Caps.



- **Bingham & Taylor**

The plastic and cast iron Cathodic Protection Test Stations as manufactured by Bingham and Taylor offer a wide range of sizes and styles to meet customer requirements for standard and unique applications. The Bingham & Taylor test stations are manufactured with high impact, wear resistant ABS plastic with lightweight or heavy-duty cast iron rims. The test stations lids are available in plastic or cast iron.

Bingham & Taylor test terminals can be mounted at the surface or under the lid of the test station and are provided with attached terminal test boards. Terminal test boards are available in a standard configuration or can be modified to customer specifications.



- **Cott Cathodic Protection Test Stations**

The **Cott Cathodic Protection "Fink" Test Stations** are designed to conveniently monitor electrical current and potentials associated with all types of underground pipelines, tanks, cables or other metallic structures. The Fink terminal boards can accommodate Cott shunts, slide resistors, banana jacks, burndy connectors and are available with **ZapGuard®**.

The **ZapGuard® Cathodic Protection Fink Test Station** can accommodate up to 10 test leads and, includes the unique shock guard to protect personnel from accidental contact with the electrical terminals and banana plug terminals for all test leads. The **ZapGuard®** test station provides all the ruggedness of the **BigFink®** test station plus the safety features of the **ZapGuard®**.



[Download Cott Brochure](#)

- **Availability**



The **Cott Test Stations** are available in a wide variety of colours with standard support posts ranging from 6 to 40 feet in length.

Cott Manufacturing produces a complete line of maintenance free Cathodic Protection Test Stations, utilized worldwide by oil, natural gas, chemical and water pipeline companies.

