



**Spécialiste en Galvanisation / Galvanizing Specialist**

*Distributeur exclusif en Amérique du Nord, au Mexique, en Nouvelle-Zélande et en Australie  
Canadian exclusive master distributor for North America, Mexico, New Zealand and Australia*

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**GALVATECH 2000'S HISTORY AND EXPERTISE WITH THE RUST-ANODE PRIMER® TECHNOLOGY**

**VESSELS, BARGES, DOCKS & MARINE STRUCTURES**

**FOR FUTURE PROJECTS THINK DIFFERENTLY**

- **UNIQUE HIGH-PERFORMANCE TECHNOLOGY**
- **NOT COMPARABLE TO STANDARD COATINGS**
- **MINIMUM SURFACE PREPARATION**
- **SINGLE COAT APPLICATION**
- **ADHESION PERFORMANCES WITH GALVANIC PROTECTION OVERALL NEW METAL ALLOYS WITHOUT ABRASION, FOR ALUMINUM, STAINLESS STEEL, AND BRASS**
- **RE-GALVANIZING PROCESS**
- **PERFORMS OVER RUST**
- **PERFORMS IN SALTED AND UNSALTED ENVIRONMENTS**
- **SUPERIOR MARINE PERFORMANCE**
- **MARINE INDUSTRIAL GALVANIZED COMPOUND APPLICABLE OVER ALUMINUM AND CAST IRON**
- **CAN BE USED AS AN ADHESION PROMOTOR FOR MOST INDUSTRIAL COATINGS**

**GALVATECH 2000 IS THE EXCLUSIVE MASTER DISTRIBUTOR OF THE RUST-ANODE TECHNOLOGY IN NORTH AMERICA**

**TECHNICAL SUPPORT WITH QUALIFIED NACE TRAINING TECHNICIANS**

**COLLABORATION WITH PROJECT MANAGERS FOR THE PREPARATION OF TECHNICAL DOCUMENTS**

**TRAINING FOR THE UNDERSTANDING OF THE CORROSION CONTROL MECHANISMS**

**SUPPORT FOR THE APPLICATION OF THE RUST-ANODE PRIMER® TECHNOLOGY**

**CHAIN OF SUB-DISTRIBUTORS IN CANADA**

## **RUST-ANODE PRIMER**

### **TESTED BY INDEPENDENT LABS**

<u>Tests</u>	<u>Standards</u>	<u>Rust-Anode Primer</u>
Organic Rich Zinc	ONGC -1,181/CAN/ CGSB-1.181-92	Conform
Abrasion	ASTM D4060-14 1000 cycles CS10, load 1000g	116 mg
Pull-Off strenght	ASTM D4541	1200 Psi 8.27 MPa
Adhesion	ASTM D3359	5B Excellent
Hardness	ASTM D3363	5H Excellent
Impact	ASTM D2794, 100 lbs, impactor 0,625''	No cracks
Flexibility - Folding - Plasticity	ASTM D522, Tapered mandrel 1/4, 180°	Bend resistance: ¼''  Elongation: 15%

<u>Tests</u>	<u>Standards</u>	<u>Rust-Anode Primer</u>	<u>Hot-Dip Galvanized</u>
Corrosion by immersion	ASTM G44-99 (2013), 3,5% Sodium Chloride, 90 days	Blister: None  Corrosion: < 0.03%	Blister: None  Corrosion: 33%
Cyclic Corrosion test	ASTM D5894-10 with cold cycles, 10,000 hours	Blister: None  Corrosion: < 0.01%	Blister: None  Corrosion: < 0.01%

Tests available upon request

# Atmospheric Corrosion Rates

***The Rust-Anode Primer is designed for corrosive environments in the C5 category <sup>(1)</sup>***

Corrosion catégories	Examples of typical corrosion environments
<b>C1 Very Low</b>	<ul style="list-style-type: none"> <li>➤ Heated buildings with clean atmospheres, e.g. office, shops, schools.</li> </ul>
<b>C2 Low</b>	<ul style="list-style-type: none"> <li>➤ Unheated buildings where condensation may occur, e.g. depots, sports halls.</li> <li>➤ Atmospheres with a low level of pollution. Mostly rural areas.</li> </ul>
<b>C3 Middle</b>	<ul style="list-style-type: none"> <li>➤ Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries and dairies.</li> <li>➤ Urban and industrial atmospheres, moderate sulfur dioxide pollution.</li> <li>➤ Coastal areas with low salinity.</li> </ul>
<b>C4 High</b>	<ul style="list-style-type: none"> <li>➤ Chemical plants, swimming pools, coastal ship and boatyards.</li> <li>➤ Industrial areas and coastal areas with moderate salinity.</li> </ul>
<b>C5 Very High</b>	<ul style="list-style-type: none"> <li>➤ Buildings or areas with almost permanent condensation and with high pollution.</li> <li>➤ Coastal and offshore areas with high salinity.</li> </ul>
<b>C5 Industrial <sup>(1)</sup></b>	<ul style="list-style-type: none"> <li>➤ Industrial areas with high humidity and aggressive atmosphere.</li> <li>➤ Buildings or zones with permanent condensation and high contamination.</li> </ul>
<b>C5 Marine <sup>(1)</sup></b>	<ul style="list-style-type: none"> <li>➤ Coastal areas maritime zones with high salt content.</li> <li>➤ Buildings or zones with permanent condensation and high contamination.</li> </ul>

**(See our expertise with the Rust-Anode Primer)**

**\*<sup>(1)</sup> C5, C5-I, C5-M:**

Depending on the project types, it could be necessary to use duplex to achieve long-term protection in the following environments:

- In highly acidic or highly alkaline environments
- In highly corrosive soils

## OFFERED SERVICES BY THE GALVATECH 2000 TEAM:

- Technicians services for the elaboration and realization of your projects.
- We provide training in engineering and architects' firms as well as private companies on corrosion mechanisms and the Rust-Anode technology.
  - ✓ For engineers, we can issue a formation certificate that can be deducted from permanent professional learning hours.
- We participate in writing specifications for the use of Rust-Anode Primer, involving decontamination, surface preparations, application and inspection methods.
- Visual inspection services to determine the severity of corrosion and the possibility of using the Rust-Anode Primer technology.
- Training and certification of applicators.
- Training and certification of distributors.
- We support your team to develop pilot programs.
- We provide solutions with technical support and help to plan maintenance programs.



## OUR EXPERTISE

### Quebec - Canada

Gaspé - Société des traversiers du Québec - Forillon

This STQ's ferry project was realized with aluminum and steel.

The Rust-Anode Primer was used to control the potential electrical exchange between parts which would have produced quick signs of galvanic corrosion and also to promote adhesion to the top-coating instead to perform a sandblasting.



### Quebec - Canada

Gaspé - Forillon



This patrol boat is one of 10 boats built for the Canadian Coast Guard and made of all aluminum and fully galvanized with the Rust-Anode Primer and top coated with paint.

# Newfoundland and Labrador - Canada

## Harbour Grace



One of the biggest boats galvanized with Rust-Anode Primer. This project is still in process and must be finished in 2019.



Excellent adhesion on aluminum. See patch test above.



## Quebec - Canada

### Matane - Méridien – Shrimp factory boat



In 2016, The Meridien naval shipyard has used our technology for its brand-new ship.



## Quebec - Canada

### Méridien - Fishing boat



In 2014, a new boat generation was galvanized on the inside and outside boat hull to keep the fishes fresh until getting back to its port.





## Quebec - Canada

Sept-Îles - Bouchard Blanchette



## Quebec - Canada

Sept-Îles - Fishing boat



**From small to large ships our  
technology is protecting your assets**

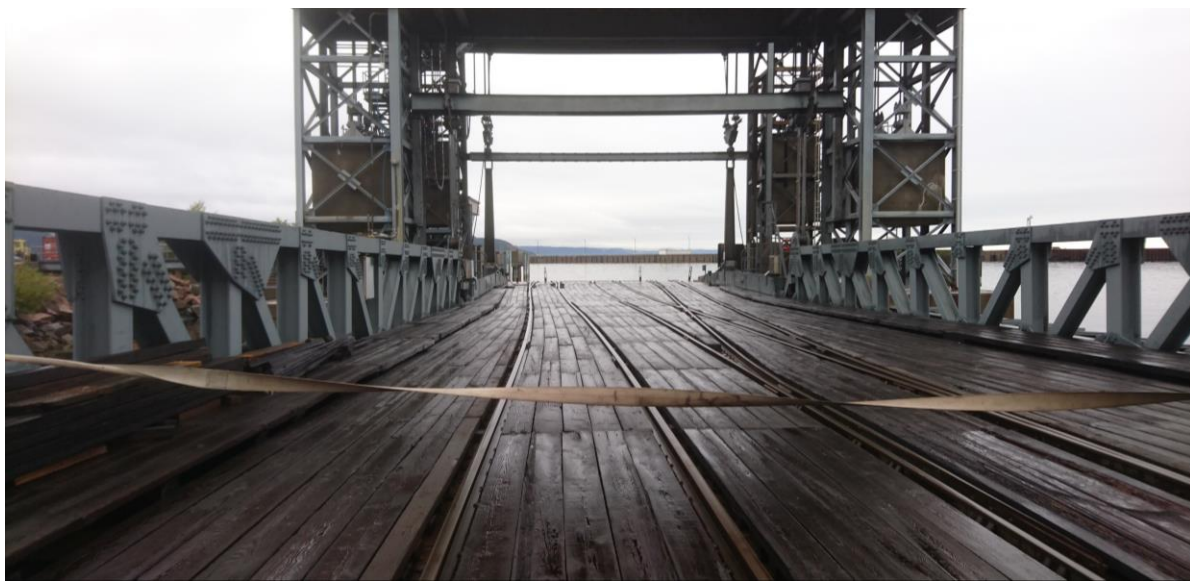
# Marine Structures

## Île-aux-grues - Quebec



## Baie-Comeau - Quebec

SOPOR



# Sept-Îles - Quebec

Pedestrian bridge



# Immersed piles

Salt Water





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## Galvatech 2000's team



## CONCLUSION

- **RUST-ANODE, ONE COAT SYSTEM, IS A TRUSTED PRODUCT WHEN IN NEED OF A HIGH CORROSION RESISTANCE COATING ON BRIDGES AND MARINE ENVIRONMENTS.**
- **IMAGINE THE EXPECTED LIFETIME OF SUCH A SYSTEM ON LESS CORROSIVE ENVIRONMENTS**
- **RUST-ANODE RELOADS IN ZINC YOUR WORN-OUT GALVANIZED STRUCTURES TO SUSTAIN THE ORIGINAL CATHODIC PROTECTION. TRADITIONAL PAINT SYSTEMS ARE ONLY PASSIVE BARRIERS PROTECTIONS**
- **OUR EXPERIENCED TEAM OFFERS YOU AN OUTSTANDING TECHNICAL SERVICE THAT WILL ACCOMPANY YOU BEFORE, DURING AND AFTER YOUR PROJECTS**