



The future of structural plate performance.



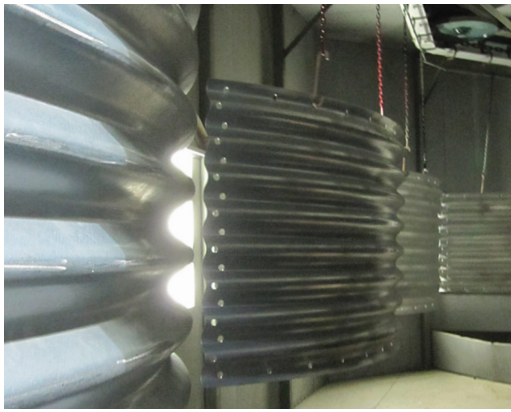
► Polymer System



ail.ca



Atlantic Industries Limited
We Support You.



Premium coatings to extend the service life of structures in aggressive environments.

Building on the years of proven performance of polymer coated corrugated steel pipe, AIL has partnered with some of the world's leading developers of coatings to provide Best-Kote™ Structural Plate Coating. For extended service life of Ultra-Cor®, Super-Cor® and Bolt-A-Plate® structures, Best-Kote™ offers superior protection and long-term durability.

360° Protection

Inside, outside and even on the edges, Best-Kote™ has it covered.



- ▶ Economical solution for extended service life of structure
- ▶ Ideal for aggressive environmental conditions
- ▶ Available on Ultra-Cor®, Super-Cor® or Bolt-A-Plate® Structural Steel Plate
- ▶ Protects against corrosion, abrasion and inorganic acid, salts or alkali (diluted)
- ▶ Can be applied to all or part of a structure
- ▶ **Structural Plate Arches and Bridges** ▶ **Grade Separations**
- ▶ **Road or Rail Underpasses** ▶ **Stream Crossings** ▶ **Fish Passages**
- ▶ **Storm Sewers** ▶ **Culverts**

Polymer System

This coating system provides two layers of protection – a zinc-rich base layer and a Polymer finish layer on top of steel plate.

Polymer Finish Layer

Ethylene Acrylic Acid Polymer provides superior resistance to corrosion, abrasion and inorganic acid, salts or alkali (diluted).

Zinc-Rich Base Layer

Provides excellent corrosion resistance and barrier protection.

Steel Plate

OVER
75
YEAR
SERVICE LIFE*

Add Best•Kote™ to AIL's Ultra•Cor®, Super•Cor® or Bolt-A-Plate® Structural Plate products and get over 75 years of trouble-free service.*



* The 75 year service life is dependent upon site conditions.

Environmental limits for galvanized steel and polymer coated steel*

Soil conditions at the installation site can greatly influence your decision.

Call 1-877-245-7473 and ask to speak to an AIL Technical Sales Representative for additional details.

Environmental Parameter	Suggested Limits Galvanized Steel	Suggested Limits for Polymer Coated Steel		
		50 Year EMSL	75 Year EMSL	100 Year EMSL
pH Preferred Range	5 - 9	3 - 12	4 - 9	5 - 9
Resistivity	2,000 - 8,000 ohm cm	> 100 ohm cm	> 750 ohm cm	> 1,500 ohm cm
Chlorides	< 250 ppm	NA ¹	NA ¹	NA ¹
Sulfates	< 600 ppm	NA ¹	NA ¹	NA ¹
Hardness	> 80 ppm CaCO ₃	NA ¹	NA ¹	NA ¹

* Source: CSPI's Canadian Performance Guideline for Structural Plate Corrugated Steel Pipe and Deep Corrugated Structural Plate Structures. CSPI's Guideline also provides abrasion limits for coating selection. Soil conditions and abrasion characteristics at the installation site can greatly influence decisions.

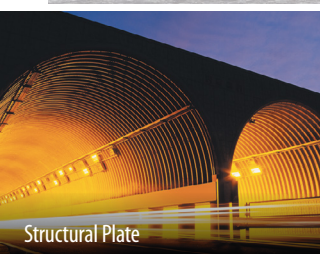
¹ Resistivity is relative to total dissolved solids (TDS) and therefore may indicate the presence of chlorides, sulfates, calcium and other ions.

The information and suggested applications in this brochure are accurate and correct to the best of our knowledge and are intended for general information purposes only. These general guidelines are not intended to be relied upon as final specifications and we do not guarantee specific results for any particular purpose. We strongly recommend consultation with an Atlantic Industries Limited Technical Sales Representative before making any design and purchasing decisions.

AIL products contain recycled content and are 100% recyclable.



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Structural Plate



Wall Systems



Pipe Systems



Prefabricated Bridges



Sound Walls

For project assistance, call toll-free in Canada: 1-877-245-7473, or International: +1-778-355-7000



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INTERNATIONAL



SOUND WALLS



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