

Sheet Steel Products Overview



U. S. Steel Canada
A Subsidiary of United States Steel

A Quality Leader in Cold Rolled and Coated Automotive Products

U. S. Steel Canada produces a full range of quality cold rolled and zinc-coated products to meet our customers' specifications. We have successfully integrated state-of-the-art processing lines with a highly skilled workforce and over 90 years of steelmaking experience to become a quality leader and a world-class supplier to the automotive industry.

Cold Rolled

With two cold rolling mills, U. S. Steel Canada offers a product range from 0.305 mm thick and out to 1840 mm wide. U. S. Steel Canada's automotive cold rolled steels are produced on the recently upgraded four-stand tandem mill. With best-in-class gauge control and shape performance, the four-stand is capable of consistently producing cold rolled steel of the highest quality for both exposed and unexposed automotive parts. Together with well-established annealing and temper rolling practices, the cold mill can accurately meet a wide range of dimensional and mechanical property requirements.

STELCOAT™

STELCOAT™ is U. S. Steel Canada's hot-dipped galvanized coating. Produced on U. S. Steel Canada's three galvanizing lines, this free-zinc coating offers superior sacrificial corrosion protection, and very good formability. Spangle-free for maximum smoothness and corrosion performance, STELCOAT™ is suitable for a large variety of products, including unexposed and semi-exposed automotive parts, construction materials and manufactured goods.

STELANNEAL™

STELANNEAL™ is U. S. Steel Canada's galvanized coated product. Produced on the Z-line, the zinc-iron alloy composition of the coating is obtained by heating the hot-dipped galvanized coating under carefully controlled conditions. This process yields a coating with superior paint adhesion and weldability characteristics. The STELANNEAL™ finish is a uniform, matte-grey that is suitable for unexposed and semi-exposed automotive parts, construction materials and manufacturing goods. STELANNEAL AE, a surface-critical product, is also available. Its smooth matte finish meets the stringent industry demands for exposed automotive applications.

Available Products and Coating Types

GRADE	APPLICATION		AVAILABLE COATINGS		
	EXP	UNEXP	CR	STELCOAT*	STELANNEAL
CS		X	X	X	X
DSIFS	X	X	X	X	X
DDS	X	X	X	X	X
EDDS	X	X	X	X	X
STRUCTURAL 37KSI		X	X	X	X
STRUCTURAL 40KSI		X		X	X
REPHOS 180		X		X	X
STELMAX 50/60		X	X	X	X
STELMAX 80/120		X		X	
STELBAKE-ULTRA 210	X				X
STELPHASEII (DP)		X		X	X

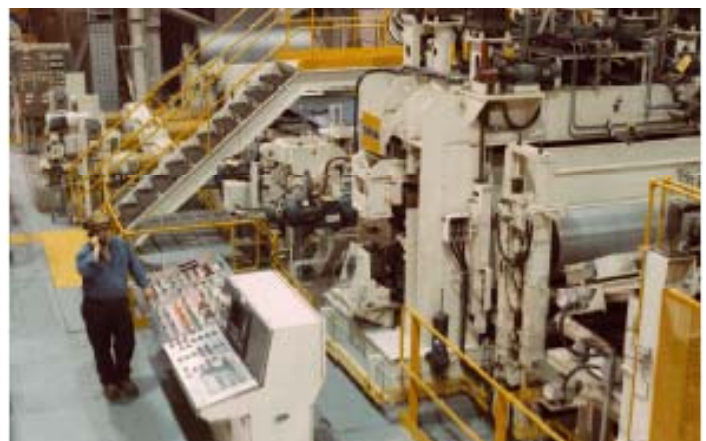
* STELCOAT IS ONLY AVAILABLE ON UNEXPOSED APPLICATIONS

THE Z-LINE

The Z-line is North America's premier zinc-coating line. A joint venture between U. S. Steel Canada and Mitsubishi, this innovative multi-purpose processing line is capable of producing both STELCOAT™ (galvanized) and STELANNEAL™ (galvannealed) sheet steel products up to 1840 mm wide (depending on product type and cross-section.) In addition to its exceptional quality, this line has several distinct technical advantages:

- Very large diameter rolls in the anneal furnace enhance the outstanding formability of our products.
- With the world's largest zinc pot, finer control of aluminum levels and temperature in the zinc bath can be achieved, leading to greater uniformity of coating properties.
- On-line, real-time iron content measurement ensures optimum control of coating powdering.

The Z-line has been recently upgraded to handle our newest Advanced High Strength Steel product offerings, StelPhaseII (dual phase) and StelBake-Ultra (bake hardenable). With these ongoing technological and processing improvements, the Z-line maintains its standing as a world-class operation.



Hamilton Works
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