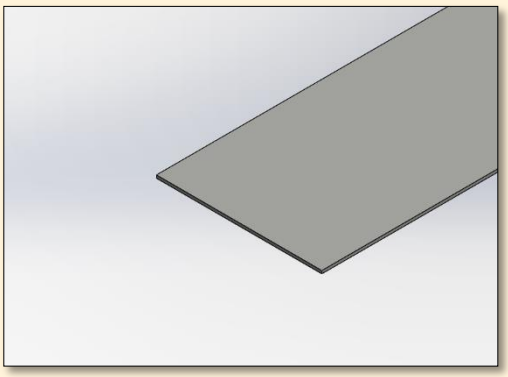
Samrat Building Supply Ltd.

Your One-Stop Solution for High- Quality Toos and Hardware Products across Canada

FLAT STOCK



Flat stock is a versatile, roll-formed steel component used across a wide range of framing, bracing, and general construction applications. Supplied as a flat, unshaped strip, it provides contractors and fabricators with the flexibility to cut, bend, or punch as needed to create custom reinforcing elements, patch plates, connectors, or even backing and bridging components in light steel framing assemblies. Flat stock is typically used for onsite fabrication or repair, where standard cold-formed profiles like studs or channels may not meet unique field conditions. the requirements of ASTM C645, the National Building Code of Canada (NBC), and the BC Building Code (BCBC).

Manufactured from galvanized steel and available in various widths, gauges, and lengths, flat stock delivers reliable strength and adaptability. It is finished with a G40 zinc coating, offering dependable corrosion resistance in both exposed and concealed interior applications. Flat stock meets the material requirements of ASTM A1003/A653 and is compatible with assemblies governed by ASTM C645, the National Building Code of Canada (NBC), and the BC Building Code (BCBC).

INSTALLATION NOTE

Installation or application of flat stock depends on the intended use. It can be: Cut and screw-fastened to framing members for reinforcement, bent on-site to form clips, angles, or stiffeners, or used as a base material for custom connectors. Flat stock is especially useful for field modifications, transition details, or non-standard framing junctions. When used in fire- or acoustically rated assemblies, it should be installed in accordance with manufacturer guidance and relevant code or test-approved assemblies. Wall system, ready to perform across a wide range of commercial, institutional, and residential applications.

FASTNERS

Flat stock should be fastened using code-approved hardware suitable for its substrate: Self-drilling screws (for steel or wood), Welds (where permitted) Bolts or mechanical anchors (for structural connections) fastener selection should be based on gauge of flat stock, applied loads and environmental exposure. As with other cold-formed steel components, fastener spacing and attachment method should follow best practices for structural integrity, durability, and compliance with applicable codes.

Standard and Specification

Width		Length	
Inch	mm	feet	mm
2	50.8	10	3048.0
4	101.6	10	3048.0
6	152.4	10	3048.0

* Thickness:20G

*Material Coating: G40(150g/mm2)

*Material and Coating manufactured to meet the requirement of ASTM A653/A653 -23.

Standard		Minimum base Steel Thickness		Base Steel Design Thickness	
Gauge	(mil)	inch	mm	inch	mm
25	18	0.455	0.0179	0.478	0.018
20	33	0.836	0.0329	0.879	0.0346