CASCADIA METALS

ELECTROGALVANIZED STEEL
Grade Data Sheet

Electrogalvanized Steel - electrolytically zinc coated structural steel. Meets ASTM A879-12 & A917 - 08 specifications/requirements.**

GRADE CS

Mechanical Properties			Chemical Composition	
Steel base	Guaranteed	Typical Range	Guaranteed Maximum	Percent
Longitudinal tensile			Carbon (C)	0.20
Yield strength, minimum ksi	29	-	Phosphorus (P)	0.10
Tensile strength, minimum ksi	45	-	Manganese (Mn)	1.35
Elongation in 2 inch, minimum %	40	-	Sulfur (S)	0.04
Hardness, HRB	-	-	See ASTM A 879 for more details	
Supply Condition	Standard	Optional	Fabricating Performance (1-Limited to 5-Excellent, NR-Not Recommended)	
Coating class	G-6	G-12, G-20, G-24	Bending	5
Tension leveling	Leveled		Drawing	NR
Surface conditioning	Not Skin-passed		Pressing	NR
			Pittsburgh Lock Seam	5
			Roll-forming	5
Chemical treatment	Passivated		Welding *	5
			Painting	5

** Design must allow for some strength reduction near welds. ** All Electrogalvanized product offered is RoHS compliant.*