



WEATHERING STEEL Grade Data Sheet

Weathering Steel – cold-rolled carbon steel. Meets ASTM A606 / A606M - 09a specifications/requirements.

GRADE CS

Mechanical Properties			Chemical Composition	
Steel base	Guaranteed	Typical Range	Guaranteed Maximum	Percent
Longitudinal tensile			Carbon (C)	0.22
Yield strength, minimum ksi	45	-	Phosphorus (P)	-
Tensile strength, minimum ksi	65	-	Manganese (Mn)	1.25
Elongation in 2 inch, minimum %	22	-	Sulfur (S)	0.04
Hardness, HRB	-	-	See ASTM A 606 for more details	
Supply Condition	Standard	Optional	Fabricating Performance (1-Limited to 5-Excellent, NR-Not Recommended)	
Coating class	Leveled		Bending	4
Tension leveling			Drawing	NR
Surface conditioning			Pressing	NR
			Pittsburgh Lock Seam	NR
Chemical treatment			Roll-forming	3
	Welding *	5		
		Painting	NR	

* Design must allow for some strength reduction near welds.