Data Sheet - EnviroCoil™

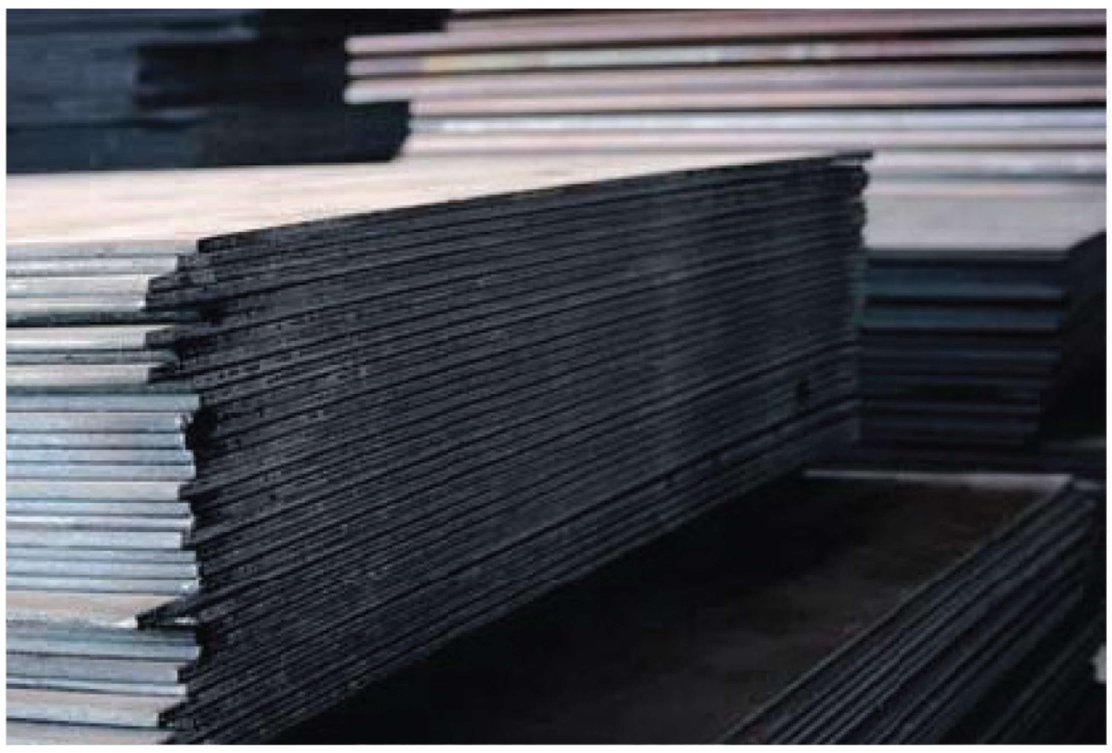
Product Type: Hot Rolled Plate From Coil - AS/NZS 1594 : 2002

General Description:

At Innovative Steel Solutions, our products are sourced and manufactured to meet strict sustainable protocols. Our products meet Australian standards and are **ACRS** accredited.

Our hot rolled plates from coil come in various standards, grades, and sizes to meet your direct use, rolling, or fabricating requirements. Hot Rolled plates range from mild steel to high strength steel to suit all your project requirements.

CNC-UT (Ultrasonic) Testing of all Plates



Coil Plate Sizes & Grades - Table 4.1

Specifiaction and Grade	Maximum Length (mm)			
	Thickness Range (mm)	Width Range (mm)		
		900 - 1070	1070 -1219	1219 - 1524
AS/NZ 1594:2002 Gr. HA/HU 250 & Gr. HA/HU 300	2 - 3	4000	4000	-
	3 - 4.5	6000	6000	-
	4.5 - 6	12000	12000	12000
	6 - 8	12000	12000	12000
	8 - 9	12000	12000	12000
	9 - 16	12000	12000	12000
AS/NZS 1594:2002 Gr. HA 350	6 - 8	12000	12000	12000
	8 - 9	12000	12000	12000
	9 - 12	12000	12000	12000

*Minimum Length 2000 mm.

Markets & Applications

- Structural Steel Construction
- Infrastructure
- Storage Tanks
- Fabrication & Erection
- Marine & Civil

Manufacturing Specifications

- AS/NZ 1594 : 2002
- ACRS CERTIFIED PRODUCT
- ISO 9001, ISO 14001 & ISO 18001
- Member Of WSA (World Steel Association) - Climate Action Member
- EPD (Environmental Product Declaration)
- ResponsibleSteel™ Member

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Product Details & Specifications: Gr. 250, 300 & 350

A. Standard Specification & Mechanical Properties - Table 4.2

ACRS Certified Specification & Grades	Applicable Thickness (mm)	Thickness Range (mm)	Tensile Test (Longitudinal)					Bending Test		
			YS (N/mm²)	TS (N/mm²)	EL (%) GL=200	EL (%) GL=80	EL (%) GL=50	Diameter (mm)		
			Min	Min	Min	Min	Min	1 T	2 T	3 T
AS/NZS 1594:2002 Gr. HA/HU 250	≥2 - ≤16	≤ 3	250	350	16	20	22	√	-	-
		>3 ≤ 5	250	350	17	24	26	√	-	-
		>5	250	350	17	24	26	-	√	-
AS/NZS 1594:2002 Gr. HA/HU 300	≥2 - ≤16	≤ 3	300	400	15	18	20	√	-	-
		>3 ≤ 5	300	400	16	22	24	-	√	-
		>5	300	400	16	22	24	-	√	-
AS/NZS 1594:2002 Gr. HA 350	≥6 - ≤12	≤ 3	350	430	14	16	18	-	√	-
		>3 ≤ 5	350	430	15	20	22	-	√	-
		>5	350	430	15	20	22	-	-	√

Content Declaration & Chemical Properties - Table 4.3

ACRS Certified Specification & Grades in Innovative Steel	Chemical Composition	Standard Specification (wt%)	Typical Innovative (wt%)
AS/NZS 1594:2002 Gr. HA/HU 250	**Carbon (C)**	≤0,20	0.16
	Silica (Si)	≤0,35	0.12
	Manganese (Mn)	≤1,20	0.47
	Phosporus (P)	≤0,040	0.01
	Sulphur (S)	≤0,030	0.01
AS/NZS 1594:2002 Gr. HA/HU 250	**Carbon (C)**	≤0,20	0.17
	Silica (Si)	≤0,35	0.12
	Manganese (Mn)	≤1,60	0.60
	Phosporus (P)	≤0,040	0.01
	Sulphur (S)	≤0,030	0.01
AS/NZS 1594:2002 Gr. HA 350	**Carbon (C)**	≤0,20	0.18
	Silica (Si)	≤0,35	0.12
	Manganese (Mn)	≤1,60	1.20
	Phosporus (P)	≤0,040	0.01
	Sulphur (S)	≤0,030	0.01

Hot rolled steel plate AS/NZS 1594:2002 manufactured by mills is to made of low alloy steels with pig iron and approximately 100% scrap-based material. We follow the chemical range of AS/NZS 1594:2002 as per specifications. Therefore, we work with typical chemical composition can be seen above:

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