

IRSM-41-97 PLATES

EQUIVALENT GRADE

Atmospheric Corrosion Resistant Steel	Steel Grade				Material No.
	TKS Standard	INDIAN Standard	EN 10025	ASTM Standard	
	Weathering Steel A*	IRSM 41-97	S355JOWP	ASTM A 242 TYPE 1	1.8946

SPECIFICATION

Item	IRSM-41-97 Corten Steel Plates
Type	Corten Steel / High-Strength Low-alloy Structural Steel
Standard	ASTM A242 / ASME SA242
Thickness	6MM to 200
Width	1500mm to 4050mm
Process	Hot-Rolled (HR)
Length	3000mm to 15000mm

CHEMICAL COMPOSITION

C	Si	Mn	P	S	Cr	Cu	Ni
≤ 0.10	0.28 – 0.72	0.25 – 0.45	0.075 – 0.112	≤ 0.030	0.35 – 0.49	0.30 – 0.39	0.20-0.49

MECHANICAL PROPERTIES

Yield Strength (MPa)	Tensile Strength (MPa)	Minimum Elongation A (Lo=5.65 √S ₀) %
340	480	20

Plate Size available Ex-Stock

1mm	2mm	3mm	4mm	6mm	8mm	10mm	12mm	14mm	16mm	20mm	25mm	30mm	32mm	36mm	40mm
45mm	50mm	63mm	70mm	72mm	75mm	80mm	90mm	100mm	110mm	130mm	150mm	170mm	180mm	200mm	
230mm	270mm	300mm													

Makes/Brands Available: SAIL, TATA, JSW, JSPL, Essar, POSCO, Uttam

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