

Steel Resistant to Atmospherical Corrosion EN 10155 S 355 K2G1W steel plate

S 355 K2G1W steel plate, EN 10155 S 355 K2G1W steel plate, under EN 10155 standard, we can regard S 355 K2G1W steel plate as Steel Resistant to Atmospherical Corrosion
 S 355 K2G1W steel plate is one mainly of Steel Resistant to Atmospherical Corrosion, S355K2G1W steel plate is a EN standard steel plate with different yield strength and tensile strength under different thickness. It is a kind of steel which is mainly used for steel resistant to atmospherical corrosion

		Comparison of steel grades	
		ASTM	A 709 Gr. 50 W
S355 K2G 1W EN10155	WBL 087	-	
	NFA 35502	E 36 WB 4	
	BS4360	-	
	CSA G 4021	-	

Chemical analysis -% by mass*

Grades	C	Si	Mn	P	S	Cu	Cr	Ni	Al	Mo	Nb
	max	max	max	max	max.	max	max	max	Min	max	
S 355 J2G2W	0.16	0.20- 0.50	0.50- 1.25	0.025	0.01	0.30- 0.50	0.40- 0.70	0.5	0.02	0.1	0.015- 0.05

Mechanical properties

Thickness	Yield Strength	Tensile	Fracture	Notch Impact	
	ReH[N/mm2]	Strength	Elongation[%] transv. min.	Energy1)Ch Vcomplete samplelongitud. min [J]	
transv.min	Rm[N/mm2]transv				
8<t≤16mm	355	490 – 630	20	--20°C	20°C
16<t≤100m	345	490 - 630	20	40V	28V
100<t≤120m	315	460 - 630	18		
125<t150mm	295	450 - 630	18	-	-

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