

Steel Resistant to Atmospherical Corrosion BS 4360 WR 50 B steel

WR 50 B steel plate, BS 4360 WR 50 B steel plate, under BS 4360 standard, we can regard WR 50 B steel plate as Steel Resistant to Atmospherical Corrosion WR 50 B steel plate is one mainly of Steel Resistant to Atmospherical Corrosion, WR 50 B steel grade is a hot rolled products of structural steels in technical delivery conditions with improved atmospheric corrosion resistance.

WR 50 B BS 4360	Comparison of steel grades	
	EN 10155	S355J0W
	WBL 087	W St 52.3
	NFA 35502	E 36 WB 3
	BS4360	WR 50 B
	ISO 4952	Fe 355 W

WR 50 B steel plate Chemical analysis -% by mass*

Grade	C	Si	Mn	P	S	Cu	Cr	Ni
	max	max	max	max	max.	max	max	max
WR 50 B	0.13	0.4	0.20-1.66	0.035	0.03	0.25-0.55	0.40-0.80	0.65

WR 50 B steel sheet Mechanical properties

Grades	Yield Strength ReH[N/mm2] transv.min		Tensile Strength Rm[N/mm2]transv		Fracture Elongation[%]transv. min.		Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
	e ²) ≤ 16	e ²) > 16	e ²) < 3	e ²) ≥ 3	e ²) ≤ 2	e ²) ≤ 2	
WR 50 B	355	345	510 to 680	490 to 630	16/14	17/15	-

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