

BS4360 WR 50 B; WR 50 B steel plate; WR 50 B steel sheet; WR 50 B steel grade; WR 50 B steel supplier

1. WR 50 B steel description

WR 50 B steel is a weather resistant steel which could more accurately be termed as an "Atmospheric Corrosion Resistant Steel" and often referred to as Corten-B steel. Weathering means that due to WR 50 B steel chemical compositions, WR 50 B steel chemical composition can increase resistance to atmospheric corrosion compared to unalloyed steels. This is because it forms a protective layer on WR 50 B steel surface under the influence of the weather.

2. WR 50 B steel Application range

Due to the WR 50 B steel super property as main weathering steel, WR 50 B steel has a widely use in Mine fans, earth moving buckets, trailers and large road vehicles, drill rings, cranes, excavators, underground mining equipment, bridges and other high strength components requiring superior toughness.

3. WR 50 B steel supply size

Thickness: 2mm to 460mm

Width: 1500mm to 3200mm

Length: 6000mm to 12000mm

(other plate sizes and thicknesses available on request)

4. WR 50 B steel Deliver condition

Hot Rolled, Cold Rolled, Normalized, Quenched, Tempering, Thermal Mechanical Control Process (TMCP), Electroslag Remelting Technical, HIC test.

5. WR 50 B steel Chemical composition(%)

C.	Mn.	Si.	S.	P.	Nb.	V.
0.20	1.5	0.5	0.05	0.05	0.003 / 0.1	0.003 / 0.1

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6.WR 50 B steel mechanical property

Normal Thickness (mm)	Tensile Strength (MPa)	Min. Yield Strength (MPa)	% Elong in 200 mm (Min)	Impact Strength J (Min)
5 - 150	490 - 640	305 - 355 (Depends on thickness)	18	Not specified or measured

Henan BEBON international co.,ltd is an outstanding and professional WR 50 B steel exporter and stockist in china, especially in super thick atmospheric corrosion resistance of structural steel plate. We keep more than 10000 ton WR 50 B steel in stock, and we have a good relationship with per big steel mill, so if you have any WR 50 B steel need, we also can meet your maximum request. To choose the reliable and best supplier, BEBON international is your best choice. Any need in WR 50 B steel, we can supply you with the best quality, best service and competitive price.

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