



**EQUIVALENTS:**

**British:** BS4360 grade 50D

**Chinese:** S355J2+N

**German:** DIN 17100 grade ST52-3

**COLOUR CODE:**



S355J2+N

**CHEMICAL COMPOSITION % AS PER EN10025-2:2004:**

	C	Si	Mn	Ni	P	S	Cr	Mo	Al
Min									
Max	0.22	0.55	1.60	0.03	0.035	0.035	0.30	0.08	0.02

**MECHANICAL PROPERTIES:**

Thickness mm	Tensile RMMPA	Min Yield MPA	Elongation %	Min Impact energy -20°C
8- 100mm	450- 630	513 - 355	18 - 20%	27J
101-200mm	450- 600	285 - 295	18%	27J
201-400mm	450- 600	275	17%	27J

Note: The minimum impact energy is longitudinal energy

**CHARACTERISTICS:**

- Carbon steel
- High strength steel grade
- High performance steel grade
- Machinability good (premium quality)
- Impact tests at -20°C
- Low alloy high strength structural steel
- Inspection approved certificate: EN10204.3 1 B

**APPLICATIONS:**

All types of steel fabrications