



CONSTRUCTION PLATES

QUALITY	S235JR
STEEL NUMBER	1.0038
NORM	EN 10025-2
CERTIFICATION	3.1 - EN 10204 / TCM
HEAT TREATMENT	as rolled / normalized
DEOXIDATION	semi-killed

Mechanical properties :

Thickness mm.	Min. yield (Mpa)	Tensile strength (Mpa)	Min. Elongation (%)	Min. Impact Energy (KV J transverse)
+20°				
> 3 ≤ 40	235	360 - 510	26	27
> 16 ≤ 40	225	360 - 510	26	27
> 40 ≤ 63	215	360 - 510	25	27
> 63 ≤ 80	215	360 - 510	24	27
> 80 ≤ 100	215	360 - 510	24	27
> 100 ≤ 150	195	350 - 500	22	27
> 150 ≤ 200	185	350 - 490	21	27
> 200 ≤ 250	175	350 - 490	21	27
> 250 ≤ 400	-	-	-	-

Chemical composition :

C / (mm.)			Si	Mn	P	S	N	Cu
≤ 16	> 16 ≤ 40	> 40	max.	max.	max.	max.	max.	max.
0,17	0,17	0,20	-	1,40	0,035	0,035	0,012	0,55

Available from stock :

Length	Width	Thickness
max. 14000 mm.	2000 / 2500 / 3000 mm.	3 - 150 mm.
max. 14000 mm.	3250 / 3500 mm.	max 60 mm.
max. 12000 mm.	4000 mm.	max. 30 mm.

* Please note that the information mentioned above is a brief summary.
For full specification, we refer to the actual norm.