



CONSTRUCTION PLATES

QUALITY	S355J2
STEEL NUMBER	1.0553
NORM	EN 10025-2
CERTIFICATION	3.1 / 3.2 - EN 10204 / TCM
HEAT TREATMENT	as rolled / normalized / TM
DEOXIDATION	fully-killed

Mechanical properties :

Thickness mm.	Min. yield (Mpa)	Tensile strength (Mpa)	Min. Elongation (%)	Min. Impact Energy (KV J transverse)
				-20°
> 3 ≤ 40	355	510 - 680	22	27
> 16 ≤ 40	345	470 - 630	22	27
> 40 ≤ 63	335	470 - 630	21	27
> 63 ≤ 80	325	470 - 630	20	27
> 80 ≤ 100	315	450 - 600	20	27
> 100 ≤ 150	295	450 - 600	18	27
> 150 ≤ 200	285	450 - 600	17	27
> 200 ≤ 250	275	450 - 600	17	27
> 250 ≤ 400	265	450 - 600	17	27

Chemical composition :

C / (mm.)			Si	Mn	P	S	N	Cu
≤ 16	> 16 ≤ 40	> 40	max.	max.	max.	max.	max.	max.
0,20	0,20	0,22	0,55	1,60	0,025	0,025	-	0,55

Available from stock :

Length	Width	Thickness
max. 18000 mm.	2000 / 2500 / 3000 mm.	5 - 400 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.