



SHIPBUILDING PLATES

QUALITY

STEEL NUMBER

NORM

CERTIFICATION

HEAT TREATMENT

DEOXIDATION

GRADE D

n.a.

acc. to the rules of classification

3.2 - EN 10204 / TCM

as rolled / > 35 mm N / NR / TM

killed / semi-killed (Al)

Mechanical properties :

Thickness mm.	Min. yield (Mpa)	Tensile strength (Mpa)	Min. Elongation (%)	Min. Impact Energy (KV J longitudinal)
				-20°
≤ 50	235	400 - 520	22	27
> 50 ≤ 70	235	400 - 520	22	34
> 70 ≤ 100	235	400 - 520	22	41

Chemical composition :

C	Mn	S	Si	P	Al
max.	min.	max.		max.	min.
0,21	0,60	0,035	0,10-0,35	0,035	0,015

C + 1/6 Mn ≤ 0,40%

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.