

## DATA SHEET ARMOTEC 500

### CHEMICAL COMPOSITION (ladle analysis)

C Max %	Si %	Mn Max %	P Max %	S Max %	Cr Max %	Ni Max %	Mo Max %	B Max %
0.32	0.1-0.4	1.2	0.015	0.010	1.0	1.8	0.7	0.005

### MECHANICAL PROPERTIES (typical values)

Steel grade	Plate thickness (mm)	Yield strength $R_{p0.2}$ N/mm <sup>2</sup>	Tensile strength $R_m$ N/mm <sup>2</sup>	Elongation $A_5$ %	Hardness range HB	Impact strength longitudinally	
						t °C	KV J
ARMOTEC 500	≥3 ≤12	1,250	1,600	8	450-530	-30	20

### TESTING

Ballistic protection	EN1063
Tensile test	EN10002-1
Brinell hardness test	EN10003-1
Charpy impact test	EN10045-1

### DIMENSIONS

ARMOTEC 500 cut lengths 3-12mm. As specified by customer – Max. 6000mm x 2500mm

### TOLERANCES

Dimensional tolerance according to EN10 029  
Thickness tolerance according to EN10 029 Class C  
Flatness tolerance according to Class N

### SURFACE CONDITION

According to EN10 163-2 Class B Subclass 3

### TECHNICAL DATA

Ballistic test reports will be available on request.

### HEAT TREATMENT

ARMOTEC 500 may not be heated above 250<sup>0</sup>c if guaranteed hardness is to be maintained.