

Armox 500T

Armor & Ballistic Steel | Brand: SSAB | Nominal Hardness: 480 - 540 HBW

The most widely used protection plate worldwide. Balances ballistic performance with the weldability and formability a fabricator needs to build complete armoured structures.

Available Forms & Sizes

Form	Size Range
Plates	3 - 80 mm thk
Blocks & Profiles	Profile cut armour panels to drawing

Chemical Composition (%)

Element	Min	Max
C	-	0.32
Mn	-	1.20
Cr	-	1.50
Ni	-	1.80

Mechanical Properties

Property	Value	Unit
Hardness	480 - 540	HBW
Yield Strength (typical)	1250	MPa
Tensile Strength (typical)	1450 - 1750	MPa
Impact Energy at -40 C	32	J

Physical Properties

Property	Value	Unit
Density	7.85	g/cm3

Standards

STANAG 4569, NIJ 0108.01 Level III / IV

Equivalent Grades

Mars 240, Ramor 500, Protection 500

Typical Applications

- Armoured vehicle hulls



AXICOR DWC LLC

Technical Data Sheet

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- Cash-in-transit vehicle bodies
 - Security cabins and guard posts
 - Critical infrastructure shielding

Industries Served

Defence, Security, Government