ARMOR & BALLISTIC STEEL Advanced Materials. Engineered for Performance.

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.



Stock status: Mill indent - Typical lead time: 4 - 8 weeks mill indent

Key features

- Certified ballistic protection
- Weldable and bendable armour plate
- Consistent through-thickness hardness

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

Industries served

Defence, Security, Government

Typical applications

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

Live datasheet