Armox® 620T

General Product Description

SSAB's toughest, ultra-hard protection plate.

Armox® 620T is a new member of SSAB's appliqué armor family. Armox® 620T is for use where component weight reduction is essential.

It is available in thicknesses between 6 and 15 mm, and not intended for further heat treatment.

Dimension Range

Armox® 620T is available in thicknesses between 6.0 - 15.0 mm. Other dimensions to be agreed with SSAB.

Mechanical Properties

Thickness (mm)	Hardness (HRC)
6.0 - 15.0	55 - 60

Mechanical Testing

Rockwell hardness test EN ISO 6508-1. Each treatment individual.

Ultrasonic testing

According to EN 10160 Class E_3S_3.

Chemical Composition (ladle analysis)

C *) (max %)	Si *) (max %)	Mn*) (max %)	P (max %)	S (max %)	Cr*) (max %)	Ni*) (max %)	Mo*) (max %)	B*) (max %)
0.46	0.70	1.00	0.010	0.003	1.0	2.5	0.60	0.005

The steel is grain-refined. *) Intentional alloying elements.

Tolerances

More details are given in SSAB brochure Armox® Guarantees or on www.ssab.com.

Thickness

Tolerances according to Armox® Thickness Guarantees.

Armox® Guarantees meet the requirements of EN 10029 Class C, but offers narrower tolerances.

Length and Width

Tolerances conform to EN 10029 or to SSAB´s standard after agreement.

Dimensional tolerances for plate with mill edge according to special agreement.

Shape

Tolerances according to EN 10029.

Flatness

Tolerances according to Armox® flatness guarantees, which are more restrictive than EN 10029 Class N (steel type L).

Surface Properties

According to EN 10163-2 Class B, Subclass 3.

Delivery Conditions

The delivery condition is Q (Quenched).

Delivery requirements can be found in SSAB's brochure Armox® Guarantees or www.ssab.com.

Fabrication and Other Recommendations

Welding, bending and machining

For information concerning welding and fabrication, see SSAB´s brochures on www.armoxplate.com or consult Tech Support.

Armox® 620T is not intened for further heat treatment. If Armox® 620T is heated above 90 °C after delivery from SSAB no guarantees for the properties of the steel are given.

It could be heated up to 120 °C but no more than 20 minutes.

Appropriate health and safety precautions must be taken when welding, cutting, grinding or otherwise working on the product. Grinding, especially of primer coated plates, may produce dust with high particle concentration.

Contact Information

www.ssab.com/contact