

ARMOX NEW GUARANTEES



The SSAB 4 high reversing Mill in Oxelösund, Sweden was the first plate mill in the world to introduce a comprehensive precision guarantee on the thickness of heavy plate – AccuRollTech™.

This high precision is made possible by the four-high rolling mill at the Oxelösund site, which is designed for very high precision products.

Armox® properties are continuously improved and today SSAB proudly offer even better product guarantees than ever. You will always find the optimal grade and dimensions for your application, whether it is hardness, toughness, total weight requirements or excellent workshop properties. Regardless of your choice, you will always benefit from Armox's higher toughness and superior thickness precision.

A prerequisite to create the unique Armox properties is use of extra-high-quality slabs from SSAB's steel shop in Oxelösund where the Armox slab production is based on the in-depth knowledge of the production of SSAB's renowned ultra-clean tool steels dedicated for use in advanced applications.

Armox is offering the markets most comprehensive product range of protection plates from 300 HBW to ultra-hard 600 HBW and Armox Advance.

TIGHTER BENDING RADIUS

SSAB now offer even tighter bending radius for ArmoX 440T and ArmoX 500T.

	Thickness (mm)	Old recommendations		New recommendations	
		Transverse R/t	Parallel R/t	Transverse R/t	Parallel R/t
ArmoX 440T	t<8	4.0	5.0	4.0	4.0
	8-15	5.0	6.0	4.0	4.0
ArmoX 500T	t<8	5.0	5.0	4.0	4.0
	8-15	6.0	6.0	4.0	4.0

INCREASED TOUGHNESS

	Old	New	Increase
ArmoX 440T	35 J	45 J	30%
ArmoX 500T	25 J	32 J	30%

Charpy-V at -40 °C, transverse, 10*10 mm

TIGHTER THICKNESS TOLERANCES

ArmoX plates with nominal hardness up to and including 500 HBW are now delivered with tighter thickness tolerances according to the table below.

Plate thickness (mm)	New tolerances (mm)
-12.9	+0.6
13-20	+0.8
20.1-40	+1.0
40.1-59.9	+1.4
60-80	+1.6
80.1-100	+2.0
>100	+3.2

Commonly, these tolerances are 0.6 to 1.2 mm tighter when compared with the standard tolerances of EN 10029.

FLATNESS TOLERANCES

For the main volumes SSAB guarantees flatness tolerances according to EN 10029 Class S. For special requests, contact your local sales representative or learn more by visiting www.armoxplate.com.

ULTRASONIC TESTING

ArmoX plates are delivered in accordance with EN 10160 Class:
 - E₃S₃ for plate thickness up to and including 80 mm
 - E₁S₂ for plate thickness above 80 mm

All the guarantees are updated in the official ArmoX datasheets.

CONTACT AND MORE INFORMATION

Contact your local sales representative to learn more, visit www.armoxplate.com or armox@ssab.com.

Find your local sales contact and other useful information with the SSAB app!



Download by scanning the code or search for "SSAB" in your app store.

iPhone Android

www.armoxplate.com

