SSAB





CORROSIVE WEAR & HEAT



Hardox® HiAce: Durability that pays off

HARDOX®
WEAR PLATE

Longer service life across industries in corrosive wear conditions

Equipment in many industries is exposed to more than abrasion. Waste, biomass, recycled materials, minerals, aggregates and other demanding materials can create corrosive conditions,

This can lead to faster wear, shorter service life, more repairs, higher maintenance costs and increased downtime. Handling hot materials with traditional quenched and tempered wear steels often leads to accelerated wear due to loss of hardness at elevated temperatures. Hardox® HiAce maintains hardness up to 400 °C (752 °F) and provides more consistent wear performance during prolonged exposure to high temperatures.

Hardox® HiAce was developed for these demanding environments. It combines the hardness and toughness of Hardox® 450 with improved performance when corrosion and wear act together.

Why choose Hardox® HiAce?

- **Longer service life.** Up to 3 times longer service life than AR400 steel in corrosive wear conditions or at high temperatures.
- **Less maintenance.** Helps reduce repair needs and replacement of wear parts exposed to corrosion.
- **Potential for lighter equipment.** Its high wear resistance can enable thinner steel designs while maintaining durability.
- **Easy to process.** Can be processed using machinery similar to that used for other wear-resistant steel grades.
- **Made for corrosive wear and elevated temperatures.** Performs in equipment exposed to waste, biomass, recycled materials, minerals, aggregates, moisture, salts, acids acids, low- or high-pH conditions, and elevated temperatures.

Where today's steel choices can fall short

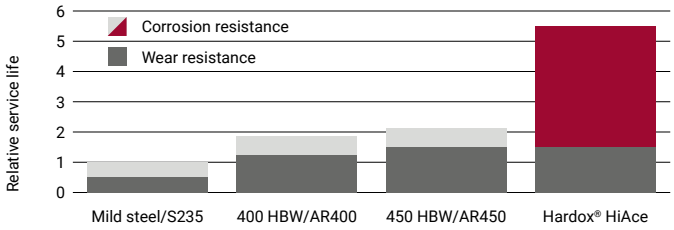
Equipment manufacturers and operators often face a trade-off between abrasion resistance, corrosion resistance and performance at elevated temperatures.

AR400 and AR450 steels offer good abrasion resistance, but corrosion and elevated temperatures can speed up wear and shorten service life.

Stainless steel resists corrosion, but common grades do not provide the hardness and strength required for abrasive applications.

Hardox® HiAce delivers resistance to corrosive wear and reliable performance at elevated temperatures, combined with the durability needed for demanding applications.

Relative service life in corrosive wear conditions



Hardox® HiAce

Product	Hardness nominal HBW	Impact toughness CVT guaranteed J at -20 °C (ft-lb at -4 °F)	Service life in acid environment subj ected to wear (relative to 400 HBW steel)	CEV/CET typical	Thickness range mm (inches)
Hardox® HiAce wear plate	450	27 J (20 ft-lb)	Up to 3 times	1.01/0.39 for 20 mm (0.787")	4-100 (0.157-3.937)
Hardox® HiAce wear sheet	450	27 J (20 ft-lb)	Up to 3 times	0.99/0.38	3-6 (0.118-0.236)

Hardox® HiAce wear plate

Width	1000-	1351-	1500-	1601-	1701-	1801-	1901-	2001-	2101-	2201-	2301-	2401-	2501-	2601-	2701-	2751-	2801-	2901-	3001-	3101-	3201-	3301-
Thickness	1350	1499	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2750	2800	2900	3000	3100	3200	3300	3350
4.0-4.7																						
4.8-5.7																						
5.8-6.7																						
6.8-7.7																						
7.8-8.7									Maximum length 14630 mm (576")													
8.8-10.0																						
10.1-24.0																						
24.1-60.0																						
60.1-65.0																						
65.1-70.0																						
70.1-75.0																						
75.1-80.0																						
80.1-85.0																						
85.1-90.0																						
90.1-95.0																						
95.1-100.0																						

Hardox® HiAce wear sheet

Width	880-	1001-	1201-	1251-	1301-	1471-	1511-	1531-
Thickness	1000	1200	1250	1300	1470	1510	1530	1570
3.00-3.24								
3.25-3.74								
3.75-3.99	Maximum length 16000 mm (629.8")							
4.00-5.00								
5.01-6.00								

Outside the range of dimensions

Some restrictions, contact your local sales representative for information

The data in these tables may be subject to change without notice.
Please download the latest version of the respective Hardox® wear plate product data sheet at **www.hardox.com**

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