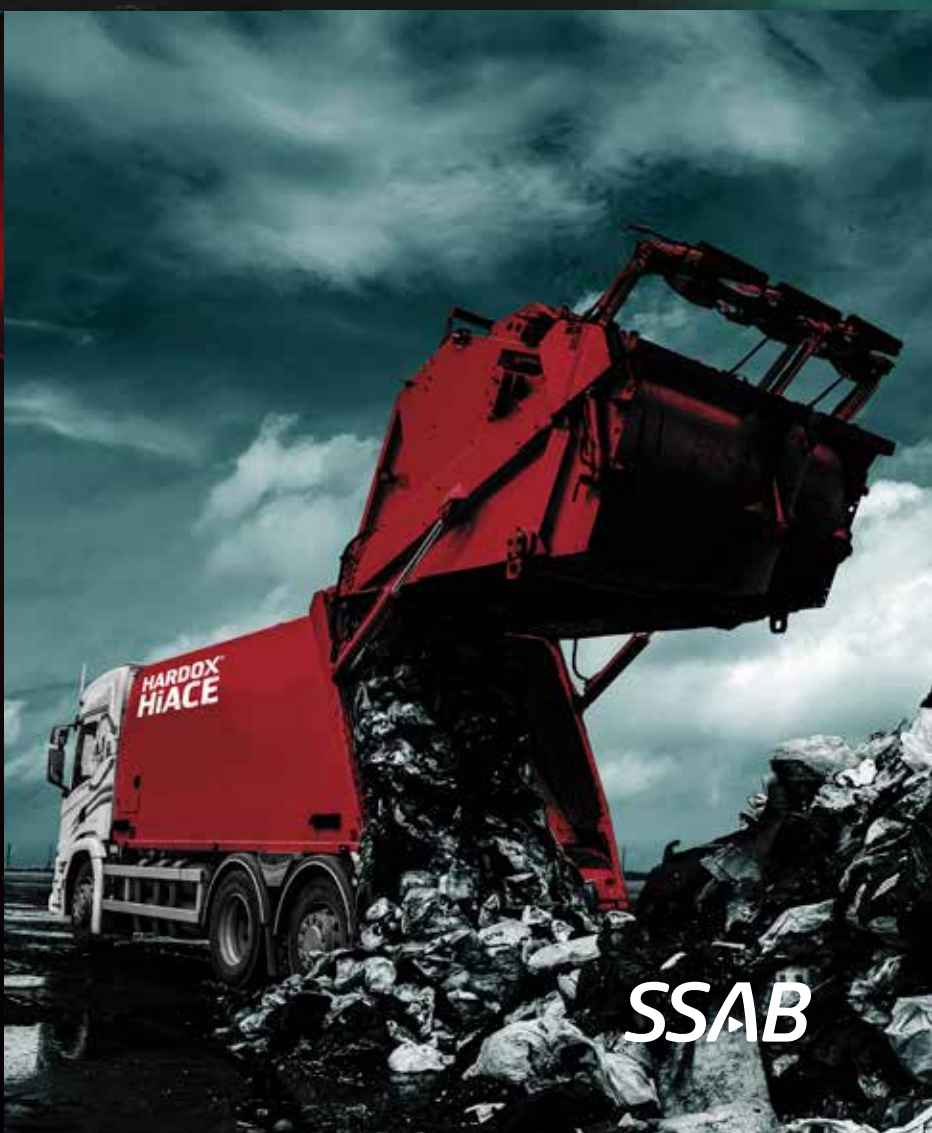


HARDOX®
WEAR PLATE

INTRODUCING HARDOX® HiACE FOR ACIDIC ENVIRONMENTS



Explore the world of Hardox® wear plate



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SSAB

THE NEW ACE MADE OF HARDOX® WEAR PLATE

Hardox® wear plate continues to take up the battle against wear in tough environments. Hardox® now welcomes a new steel to the product range that fights wear in acidic corrosive environments: Hardox® HiAce.

Thanks to environmental awareness around the globe, we now have more responsible ways of using energy resources and recycled material from waste separation. But it also means a tougher environment for equipment in many industries. To meet this challenge, the Hardox® range now includes Hardox® HiAce – a true wear-fighter even when under attack from acid in corrosive environments.

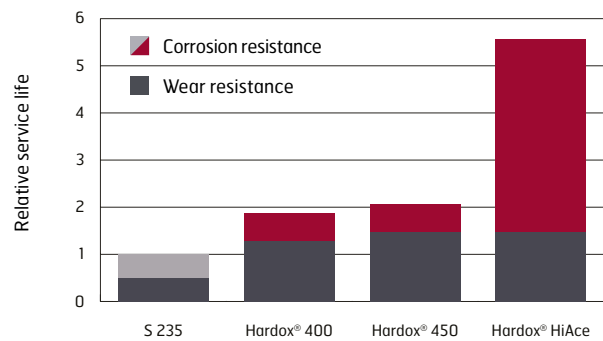
Hardox® HiAce offers the same excellent properties as Hardox® 450, with an extra feature: it can meet the challenges of corrosive wear environments found in municipal and industrial waste management, waste-to-energy plants, in mining and in other industries with acidic environments.

When the pH level goes down different wear mechanisms kick in, and harder steels won't necessarily provide a longer equipment service life. Hardox® HiAce performs the same as 450 HBW steel in a regular wear environment, but at lower pH levels, it can extend service life up to 3 times compared with 400 HBW steel.

Hardox® HiAce has the toughness it takes to perform as a structural material in garbage trucks, recycling containers, tipper and dump bodies, and other heavy-duty products. It also delivers outstanding performance in freezing conditions.

Hardox® HiAce has a guaranteed impact energy of 27J at -20 °C (20 ft-lb at -4°F). It is available in thicknesses of 3-100 mm (0.118-3.937") according to the dimension program below. Hardox® HiAce can be processed by the same kind of machinery used for other Hardox® grades. The bendability is the same as for Hardox® 450.

Relative service life in a corrosive environment



Product	Nominal hardness HBW	Impact toughness CVT guaranteed J at -20°C (ft-lb at -4°F)	Service life in acid environment subjected 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	3-4 (0.118-0.157)

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																							
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																							

Maximum length 14630 mm (576")

Hardox® HiAce wear sheet

Width	880-	1001-	1201-	1251-	1301-	1471-	1511-	1531-
Thickness	1000	1200	1250	1300	1470	1510	1530	1600
3.00-3.24								
3.25-3.74								
3.75-3.99								
4.00								

Maximum length 16000 mm (629.8")

- Outside the range of dimensions
- Some restrictions, contact your local sales representative for information

