



CORROSIVE WEAR



**Hardox® HiAce:
Durability that
pays off**



HARDOX®
WEAR PLATE

Hardox® wear plate continues to take up the battle against wear in tough environments. Hardox HiAce is a new steel grade designed to fight wear in corrosive environments.

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 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.

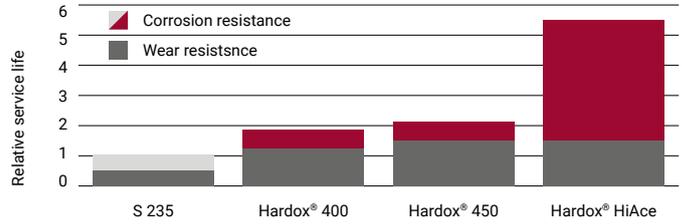
At low- or high-ph levels, different wear mechanisms kick in, and harder steels won't necessarily provide a longer equipment service life. Hardox® HiAce performs the same as 450 HBW steel in a regular wear environment, but at lower pH levels, it can extend service life up to 3 times compared with 400 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 in municipal waste & recycling.



Hardox® HiAce					
Product	Hardness nominal 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																						

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								

- 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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