



HARBOX HiACE



**Tough on
corrosion,
tough on wear**
in agricultural and farming
equipment



HARBOX[®]
WEAR PLATE

Longer service life for agricultural equipment in corrosive wear conditions

Agricultural equipment is exposed to more than abrasion. Feed, biomass, fertilizers, manure, poultry litter, soil and crop residues can bring moisture, salts, organic acids and low- or high-pH conditions that attack the steel in your equipment and accelerate wear.

This can lead to shorter service life, more repairs, higher maintenance costs and more downtime.

Hardox® HiAce is developed for these demanding environments. It combines the hardness, strength 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.
- 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.
- Made for harsh agricultural materials. Performs in equipment exposed to feed, biomass, fertilizers, manure, poultry litter, soil and crop residues.
- Easy to process. Can be processed using machinery similar to other Hardox® grades.

Where today’s steel choices can fall short

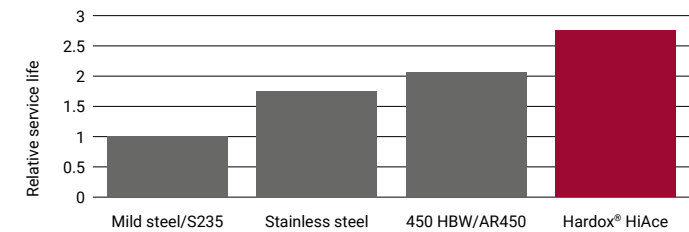
Agricultural equipment manufacturers often face a conflict between abrasion resistance and corrosion resistance.

AR400 steel offers good abrasion resistance, but when moisture, salts, acids or materials with low or high pH are present, corrosion can speed up wear and shorten service life.

Stainless steel resists corrosion, but common grades such as SS304 may not provide the hardness and strength required for abrasive agricultural applications.

Hardox® HiAce is designed to deliver both – resistance to corrosive wear and the durability needed for demanding agricultural applications.

Wear-corrosion test of manure and fertilizers



Ready to improve service life?

Talk to a Hardox® expert or scan the QR code to explore Hardox® HiAce in more detail.

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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