

HARDOX®
WEAR PLATE

HARDOX HITEMP CAN TAKE THE HEAT



New Hardox HiTemp wear plate meets an important challenge: Standing up to abrasive conditions in high heat environments.

The high temperature performance of Hardox HiTemp is achieved by using high-quality raw material in combination with a carefully controlled manufacturing process.

Hardox HiTemp can be cut, welded, machined and cold formed using the same kind of workshop

machinery and technology as other Hardox grades and conventional steel.

All this adds up to making Hardox HiTemp an ideal choice for high-temperature wear applications in many areas—particularly in process industries such as steel, cement and coal power plants, and recycling and asphalt industries.

hardox.com

SSAB

HARDOX HITEMP—THE CHOICE FOR WEAR RESISTANCE IN HOT ENVIRONMENTS

Hardox HiTemp is a quenched and tempered martensitic wear plate with a typical hardness of 375 Brinell. It's a welcome addition to the Hardox wear plate family, addressing a temperature span that so far has been out of reach for other Hardox grades.

SSAB has previously recommended Toolox® engineering and tool steel to tackle wear at higher temperatures, 300-500°C (572-932°F). Toolox is well recognized in the tooling industries for its combination of hardness, toughness and machinability. Toolox has high wear resistance, and can retain its hardness and form stability at elevated temperatures.

Hardox HiTemp is the result of applied expertise in metallurgy and processing techniques, combining Toolox and Hardox properties in a steel able to resist wear and temperature.

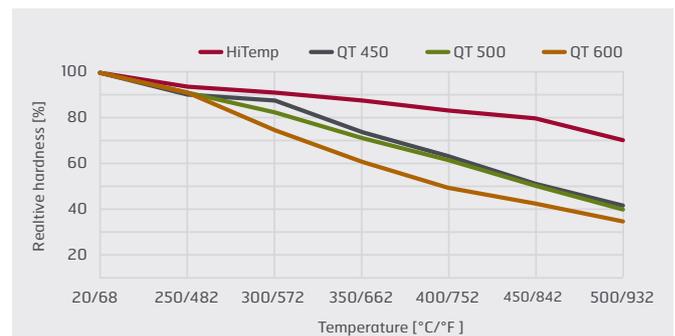
EASY TO WORK WITH

Thanks to its high toughness, good bendability and weldability, Hardox HiTemp can be used for structures in high heat applications with moderate wear. As for all Hardox grades, Hardox HiTemp can be welded and cold formed with conventional methods.

Since Hardox HiTemp has a low carbon equivalent it can be thermally cut without pre-heating within the whole dimension range. The low carbon equivalent also makes Hardox HiTemp suitable when a large amount of welding is needed.

The workshop-friendly properties of Hardox HiTemp allow for easy and fast installation compared to other materials, such as ceramics that are common in high-temperature environments.

Another benefit of Hardox HiTemp is its ability to withstand the temperature deformation that leads to buckling and cracks. Hardox HiTemp will reduce cost, improve uptime and increase safety thanks to less frequent shutdowns for maintenance and repair.



Hardox HiTemp is suitable for wear applications up to 500°C (932°F). The diagram shows high temperature properties for Hardox HiTemp compared to ordinary quenched and tempered wear steel. Hardox HiTemp retains more of its hardness at higher temperatures and also has better form stability at elevated temperatures.

Width	1000-1350	1351-1500	1501-1599	1601-1699	1700-1800	1801-1900	1901-2000	2001-2100	2101-2200	2201-2300	2301-2400	2401-2500	2501-2600	2601-2700	2701-2800	2801-2900	2901-3000	3001-3100	3101-3200	3201-3300	3301-3350	
Thickness																						
3.2-3.9	■ Outside the range of dimensions																					
4.0-4.9	■ Some restrictions, contact your local sales representative for more information																					
5.0-5.7	■ Some restrictions, contact your local sales representative for more information																					
5.8-6.0	■ Some restrictions, contact your local sales representative for more information																					
6.1-6.7	■ Some restrictions, contact your local sales representative for more information																					
6.8-7.7	■ Some restrictions, contact your local sales representative for more information																					
7.8-8.7	■ Some restrictions, contact your local sales representative for more information																					
8.8-10.0	■ Some restrictions, contact your local sales representative for more information																					
10.1-25.0	■ Some restrictions, contact your local sales representative for more information																					
25.1-26.0	■ Some restrictions, contact your local sales representative for more information																					
26.1-27.0	■ Some restrictions, contact your local sales representative for more information																					
27.1-28.0	■ Some restrictions, contact your local sales representative for more information																					
28.1-29.0	■ Some restrictions, contact your local sales representative for more information																					
29.1-30.0	■ Some restrictions, contact your local sales representative for more information																					
30.1-31.0	■ Some restrictions, contact your local sales representative for more information																					
31.1-32.0	■ Some restrictions, contact your local sales representative for more information																					
32.1-33.0	14200																				14200	
33.1-34.0	13800																					14000
34.1-35.0	13400																					13500
35.1-36.0	13100																					13000
36.1-37.0	12700																					12800
37.1-38.0	12400																					12500
38.1-39.0	12000																					12000
39.1-40.0	11700																					11500
40.1-45.0	10400																					11000
45.1-50.0	9400																					10800
50.1-51.0	9000	14400	13600	12800	12100	11500	11000	10500	10000	9600	9200	9000	9000	9000	9000	9000	9000	7900	7700	7400	7200	6900