Wear: The inside story

Your choice of wear plate has consequences for your business. Hardox® maximizes the wear performance of your equipment and machines, reducing work- to developing the technical knowledge of shop lead times and increasing the overall wear. We offer you access to Ph.D's and productivity of your operations.

Thanks to its consistent properties, Hardox's performance remains in-variable across its lifetime. That also makes its service life very predictable, allowing you to rationalize your repair schedule.

With its combination of high hardness, high strength and good toughness, Hardox can be used in a variety of applications, from forest harvesting and ground preparation to asphalting work.

What's the secret of Hardox's top performance? The production processes include the state-of-the-art metallurgical cleaning of steel and a unique hardening process, resulting in wear plates with outstanding hardness, toughness and workshop friendliness.

Expertise at your service

provides you with expertise. We share our knowledge with you through our Technical Support functions.

The Technical Support consists of experts that can help optimize your product from a design perspective and are committed experts with decades of experience in solving wear challenges. You can get applied support and information on wearcritical components.

Information about wear

Wear comes in different forms and each has a different impact on the service life

The most common wear types are sliding wear and impact wear. Abrasive particles trapped in a narrow gap between two rigid surfaces causing squeezing wear is also

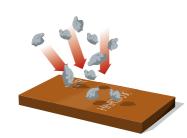
Each variety of rock is composed of a unique set of minerals and these also wear damage.

WearCalc software, available from our Technical Managers, describes and calculates the relative differences between materials. It allows you to predict relative wear life and compare different wear so-

Whatever your application and wear situation, Hardox is your ticket to outstanding wear performance.



In sliding wear, abrasive bodies such as aggregate rocks are free to slide and roll. By selecting a harder Hardox grade, service life can be improved considerably



In impact wear, the aggregate rocks hit the surface of the wear component at various angles. contribute to the specific type of abrasive A harder grade of Hardox will deliver a longer service life here as well.



With squeezing wear, the improvement in service life of wear components is more difficult to quantify. However, an increased Hardox plate hardness often improves the service life

Hardox – Complete product program

With a wide range of hardness grades, thicknesses and cut and welded—an excellent plate for high performance widths to choose from, you'll always be able to maximize your applications. application's performance.

toughness, good bendability and excellent weldability.

equal to Hardox 500, is designed to increase wear life but not cut, milled and drilled using standard workshop practices. at the expense of reduced resistance to cracking.

You'll always find a Hardox plate to fit your wear challenge. Hardox 600 has a hardness of 600 Brinell but can still be

Hardox HiTuf is a wear resistant plate with extra high toughness Hardox 400 and 450 are versatile wear plates with high intended for heavy section wear parts requiring extraordinary

Hardox 500 is a tough, bendable and weldable abrasion Hardox Extreme is intended for applications requiring resistant plate used in applications requiring high resistance. extremely high abrasion resistance. It can replace costly wear products like hard-faced overlay plates and high Hardox 550, with a hardness of 550 Brinell and a toughness chrome white iron. Despite its hardness, it can be welded,

SSAB is a Nordic and US-based steel company. SSAB offers value added products and services developed in close cooperation with its customers to create a stronger, lighter and more sustainable world. SSAB has employees in over 50 countries. SSAB has production facilities in Sweden, Finland and the US. SSAB is listed on the NASDAQ OMX Nordic Exchange in Stockholm and has a secondary listing on the NASDAQOMX inHelsinki. www.ssab.com.

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HARDOX ON SITE Roadbuilding

A Part of Your Success



SSAB





HYDRAULIC HAMMER Hardox 400/450 in the housing of the

hydraulic hammer exposed to wear



ASPHALT PLANT

Hardox 450/500/550 as liner plates and in gravel chutes. Hardox 450/500 in the wings of the drum. Hardox 450/500 in the transport container from the drum to the truck delivery shaft.



TIPPER BODY

tippers and dumpers. Hardox is an outstanding wear fighter in these impact resistance, making it an excellent design solution.



EXCAVATOR BUCKET

he wear situation.

Hardox 450/500/550 in the

excavator bucket. Hardox may be

cutting edge and sides depending on

Hardox 450/500 in the body of the applications. Hardox also has great

BULLDOZER

Hardox 450/500/550 in the blade of the bulldozer.

Hardox 450/500/550 in the entire

bucket or cutting edge and sides

depending on the wear situation.



MOTOR GRADER

CHUTE

Hardox 450/500/550 in the blades of the motor grader.

In the chute that leads into the

crusher Hardox 500/550/600 is

the obvious choice in the tough



CRUSHER

Hardox 500/550 used as liner plates in the interior in areas with high wear.



ASPHALT PAVER

Hardox 450/500/550 in the screed