Your choice of wear plate has consequences for your business. Hardox® maximizes the wear performance of your equipment and machines, reducing workshop lead times and increasing the overall productivity of your operations.

Thanks to its consistent properties, Hardox’s performance remains remarkable across its lifetime. That also makes its service life very predictable, allowing you to maintain your equipment efficiently.

With the combination of high hardness, high strength and good toughness, Hardox can be used in a variety of applications, including storing, loading and transporting. What’s the secret of Hardox’s top performance? The production process includes the correct time and temperature during casting, a unique hardening process, resulting in wear plates with outstanding hardness, toughness and workshop friendliness.

EXPERTISE AT YOUR SERVICE

In addition to plate, SSAB provides you with expertise. We share our knowledge with you through our Technical Support Network. The Technical Support network consists of experts that can help optimize your product from a design perspective and are committed to developing the technical knowledge of wear. We offer you access to PhDs and experts with decades of experience in solving wear challenges. You can get applied support and information on wear-critical components.

INFORMATION ABOUT WEAR

Wear comes in different forms and each has a different impact on the service life of your application. The most common wear types are sliding wear and impact wear. Abrasive particles trapped in a narrow gap between rigid surfaces cause squeezing wear, which is also a common wear type.

Each variety of recyclable material is unique and also contributes to the specific type of abrasive 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 solutions. Whatever your application and wear situation, Hardox is your ticket to outstanding wear performance.

Hardox steel plates are intended for applications requiring extremely high wear resistance. Hardox extreme is a tough, hardfaced overlay plate with high toughness, remarkable crack resistance and high abrasion resistance. Hardox Hituf is a wear resistant plate with extra high toughness, high impact resistance and wear and crack resistance. Hardox 600, with a hardness of 600 Brinell and a toughness equal to Hardox 5050, is designed to increase wear life but not at the expense of reduced resistance to cracking.

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SSAB is a Nordic and US-based steel company. SSAB offers value-added products and services to developers, suppliers, cooperation partners and customers to create sustainable, lighter and more sustainable world. SSAB has employees in over 50 countries. SSAB has two products listed on OMX Nordic Exchange in Stockholm and has a secondary listing on the NASDAQ OMX in Helsinki. www.ssab.com.

www.hardox.com
Recycling Components For Tough Demands

As the world’s leading abrasion resistant wear plate, Hardox can withstand high-impact and sliding wear, but are also easily welded and workshop friendly. Using Hardox in recycling equipment significantly increases the service life of your machines, thereby minimizing downtime and your cost per service hour. Hardox also allows you to optimize productivity and determine your own service intervals.

Recycling processes like the fragmenting of waste places enormous demands on equipment. And if the materials involved wear too quickly it can also mean enormous costs. To stay productive and competitive it is vital to use materials that stand up to the abuse. Hardox wear plate is the solution.

Developed specifically for tough demands, Hardox wear plate allows recyclers and recycling equipment manufacturers to cut costs, improve service life, and optimize production.