Your choice of wear plate has consequences for your business. HARDOX® maintains 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® performance remains invariable across its lifetime. That also makes it service life very predictable, allowing you to rationalize your repair schedules.

With its combination of high hardness, high strength and good toughness, HARDOX® can be used in a variety of applications, including loading, transport and storing in quarries and mines.

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.

HARDOX® offers you a variety of hardness grades to choose from, allowing you to choose the plate that best suits your specific needs.

HARDOX® is a tough, bendable and weldable abrasion resistant steel with excellent toughness and hardenability. This makes HARDOX® ideal for high-strength, high-fatigue applications requiring high-toughness, good workability and excellent weldability.

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Down-to-earth advantages for quarrying and mining

Quarry and open pit mine operations put high demands on equipment. When it comes to abrasion resistance, compromise can be costly. HARDOX® wear plate delivers unsurpassed advantages to the quarrying and mining sector through out the whole production flow. This includes economic benefits that can make a significant difference in mining operations.

It starts with HARDOX® wear plate’s superior wear resistance, translating to appreciable increases in the interval between repairs. HARDOX® wear plate is the fast and flexible on-site solution. Its outstanding weldability and workshop-friendly properties allow it to be integrated easily into repair regimes, lowering production up and running. It also eliminates the need for a large stock of spare parts.

When it comes to design, the unique properties of HARDOX® wear plate take you beyond conventional thinking, allowing you to design to new levels of performance and cost-savings. For example, its superior strength allows a thinner plate to be used, lowering overall weight and enabling increased payloads and thus productivity.

**HARDOX applications in quarrying & open pit mining**

- **Shovel**
  - SHOVEL Bucket structures can be built with HARDOX®. HARDOX® Hituf is recommended for cutting edges while HARDOX® 500/550 are ideal for bucket cheek plates.

- **Bulldozer**
  - BULLDOZER HARDOX® 400/450/500 grades are ideal for premium blade structures. Use HARDOX® 400/450 for cutting edges and HARDOX® Hituf for the ripper.

- **Dump Truck**
  - DUMP TRUCK HARDOX® lets you design low-weight bodies with the wear resistant qualities of much heavier structures. It is an excellent choice for truck body built plates. The sides, top and front are ideally protected by HARDOX® 400/450/550.

- **Excavator**
  - Excavator HARDOX® 500/550/600 are the right choice for hoppers and feeders.

- **Screen**
  - Screen HARDOX® Hituf/400/450/500 to line the body of the screen.

- **Jaw crusher**
  - CRUSHER All HARDOX® grades can be used in crushers depending on the crusher type and the nature of the wear exposure.

- **Transfer chute**
  - TRANSFER CHUTE Every change of transfer direction needs a chute. The chute can be made of HARDOX® 400/450/500/550.

- **Tipper**
  - TIPPER Use HARDOX® 400/450/500 to line the body of the tipper. HARDOX® is an outstanding wear fighter in this application. HARDOX® also has great impact and dent resistance, making it an excellent design solution.

- **Loader**
  - LOADER BUCKETS are subjected to sliding and impact wear as well as high-tons. The combination of HARDOX® 400/450/500/550 makes it possible to expand production up and service life.