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150-en-40 Years of wear and still loving it. V1-2014. AplusM

1974



The world's first bendable and weldable wear plate enters the market.

1984



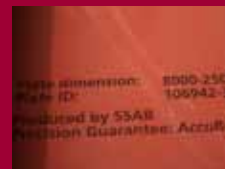
The rapid acceptance of Hardox was greatly assisted by Lennart Bergqvist and other dedicated SSAB people preaching about its virtues and applications.



During the first years of production, Hardox hardness and toughness impressed everybody. The flatness, not so much. This was solved when a new levelling line was installed in Oxelösund.



Hardox® was introduced in 1983 as the brand name for SSAB's tough wear plates with a campaign spearheaded by the former Swedish heavy-weight boxing champion Ingemar Johansson.



In Germany Hardox was marketed as 'unverwechselbar', meaning there is only one plate deserving the Hardox name. This was further emphasized when we introduced plate-wide marking, making it easier to keep track of even small pieces of Hardox.



You can spot Hardox from a distance, thanks to its red rust-resistant primer. As you get closer, any doubt about the plate's origin vanishes when you see its identity repeated over and over on the surface.

1994



Hardox teamed up with Weldox in a new knowledge center, dedicated to teaching customers about best practices for Hardox.



What is wear, really? Claes Löwgren, one of many Hardox ambassadors, decided to get to the bottom of wear. His paper 'About wear' has helped users everywhere to select the right Hardox for every application.



The new quenching line in Oxelösund was a much needed leap in capacity. At last the production was able to keep up with demand – at least for a while!



Hardox delivers extreme performance from XS to XL. With the introduction of a new rolling mill in Borlänge, Sweden, the thickness range is widened to offer wear plates from 0.7 mm up to 160 mm.



To satisfy the increasing demand for a hard and tough steel in the western hemisphere, Hardox is now also 'Made in the USA', in Mobile, Alabama.



With high pressure, water-cooling and the right steel you are well on your way to Hardox. It just needs another vital ingredient: our many years of knowledge and experience in making wear plates both hard and tough.

2014

**HARDOX®**  
WEAR PLATE



# 40 YEARS OF WEAR AND STILL LOVING IT



/ **SSAB**

/ **SSAB**

# AS HARDOX TURNS 40, IT'S HARDER AND TOUGHER THAN EVER

We intend to keep it that way—always ahead of the competition

In the 1970s, producing bendable wear plates was a 'mission impossible' in most steel producer's minds. Some people at the Swedish steel manufacturer SSAB thought differently and decided to attack the issue head on.

After a fair share of trial and error, out came Hardox with a unique combination of hardness and toughness. Since the introduction in 1974, the Hardox range has grown into thinner, thicker and harder qualities without sacrificing the

all-important toughness. Originally intended as a wear plate, Hardox is tough enough to double as a load carrying part in many applications. It allows for the design of structures that are wear resistant, strong and lightweight at the same time. Don't just take our word for it. Ask any user and you will learn how Hardox delivers extreme performance for their extreme challenges.

## 40 YEARS OF EVOLUTION

The hardness of Hardox has been steadily increasing during the years, without sacrificing the necessary toughness. For example, 6.5 mm of our hardest quality has the same service life as 80 mm mild steel in similar wear conditions.

## 40 YEARS OF INNOVATION

Hardox delivers a unique combination of hardness and toughness. This opens new and innovative ways for our customers to design products that offer extreme performance, higher payloads and less energy consumption.

## 40 YEARS OF SUPPORT

Support for applications and workshop procedures has always been a part of Hardox. Our people in the Tech Support teams and at the Knowledge Service Center help you to get the best Hardox solution for your particular application.



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