

# Hardplate™

For Welding Professionals



## Heavy-duty composite overlay wear plate

Hardplate™ is designed to endure high working temperatures, harsh environments and extreme wear. It is the preferred solution for applications where resistance to very high levels of abrasion is required.

Our heavy-duty composite wear plates consist of a low carbon base material and welded overlay thickness, using various chromium and complex carbide based alloys.



## Features

- Standard total overlay thickness from 4 - 15 mm
- Wear resistance is fully maintained at temperatures of up to 700°C (1290°F)\*
- Stringer and oscillated weld bead options
- Available as flat and tubular products
- Hardness of 60 - 64 HRC\*
- Excellent wear resistance against abrasion, temperature, erosion, impact and corrosion
- Various installation methods, including welding, bolt-on or studs

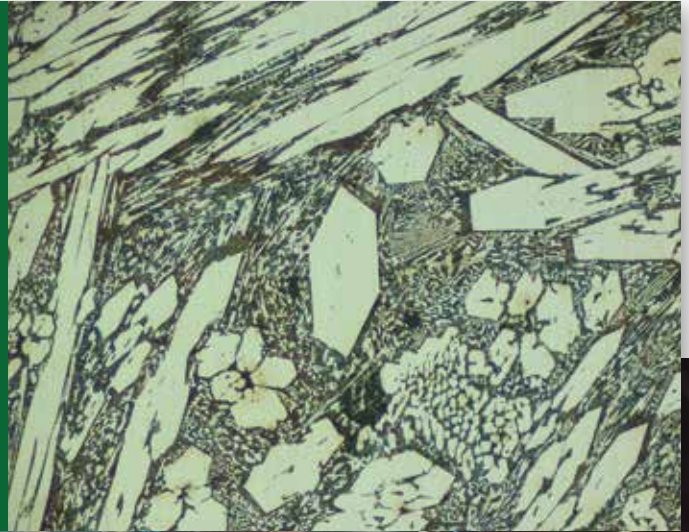
\* depending on the plate type

## Benefits

- Versatile and adaptable to address various applications and wear problems
- Easily formable, despite very high hardness
- Consistent quality worldwide
- Through-thickness hardness and wear rate
- Combat wear in various applications across a broad range of industries
- Reduced total cost of ownership

## Why choose this solution?

- Can be supplied as pre-cut profiles to drawings or as manufactured components
- Tailored products and solutions available on request
- Integra™ service centres located globally
- Continuous solution development
- Wear resistant properties far exceeding those of quenched and tempered abrasion resistant steels



## Improved Performance

Hardplate™ is manufactured in accordance with proven welding procedures and quality assurance standards to ensure consistent, high quality products. The plate thickness and alloy type are determined depending on the specific requirements needed for the application

to optimise the wear resistance. Hardplate™ has drastically improved wear life for components including, cyclone separator shells/ parts, hoppers and chutes, as well as tubes, pipes and elbows across a range of industries.



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