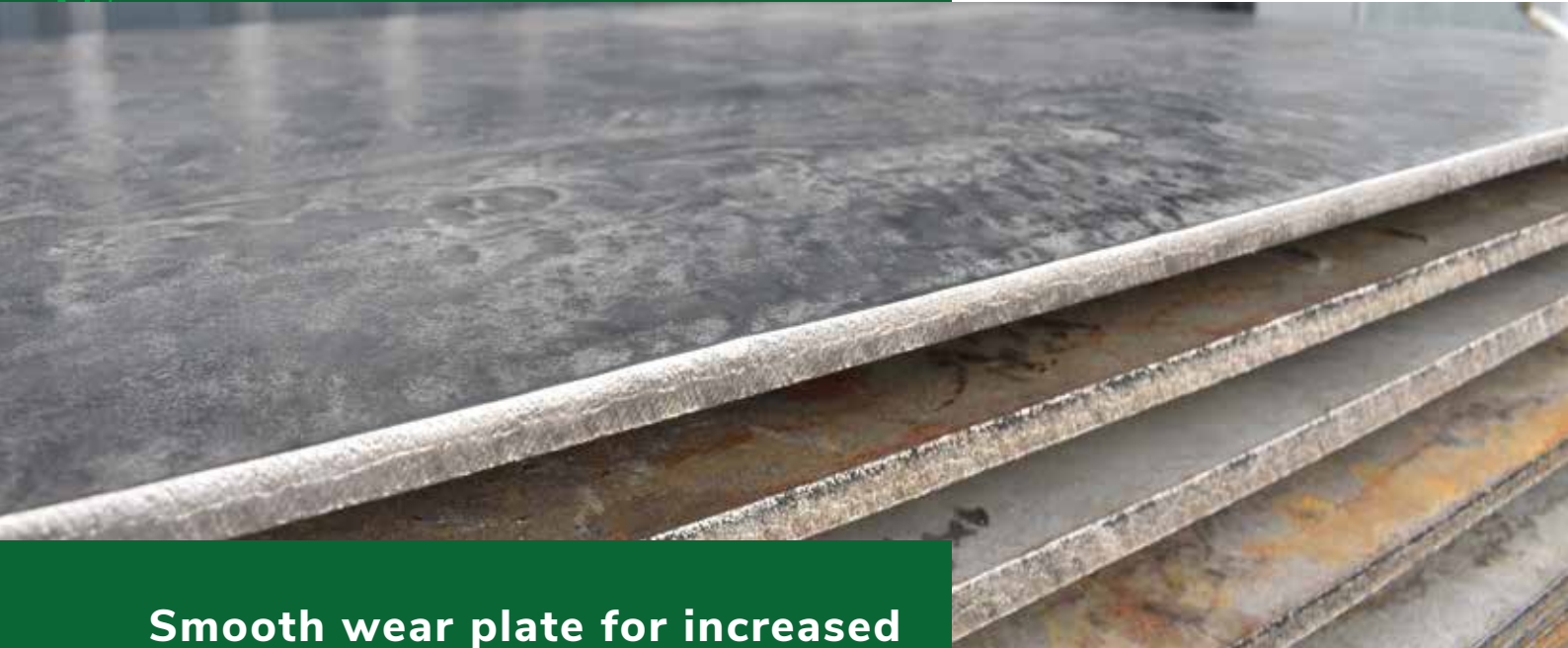


# Hardplate™ FlowMax

For Welding Professionals



## Smooth wear plate for increased wear resistance

Hardplate™ FlowMax is a smooth, wear resistant plate welded through a process that ensures minimal crack formation, designed to provide better sliding properties than standard wear plates

Fine chromium carbide particles are uniformly dispersed in a ductile matrix to improve through-thickness wear resistance. The smooth surface provides a low coefficient of friction, which reduces material build-up by up to 75% in areas that are cold or use naturally sticky materials.

For areas where extreme impact occurs we have developed Hardplate™ FlowMax Plus which comprises of chromium and complex carbides uniformly dispersed in a tough ductile matrix.



Carbide dispersion metallography

## Features

- Total plate thicknesses from 10 - 31 mm\*
- Hardness of 58 - 60 HRC
- Smooth surface, free from visible weld beds
- Wear resistance is fully maintained at temperatures up to 450°C (842°F)\*
- Low coefficient of friction
- Excellent wear resistance against impact and abrasion
- Smooth and linear fusion line

\* depending on the plate type

## Benefits

- Extended wear life
- Improved productivity
- No plate distortion
- Reduced maintenance demand
- Reduced total cost of ownership
- Versatile and adaptable to address various applications

## Why choose this solution?

- Ideally suited to prevent material clogging, hang-up, carryback and adhesion to the plate
- Can be supplied as pre-cut profiles to drawings or as manufactured components
- Integra™ service centres located globally
- Most suitable for areas subject to a combination of impact and abrasion
- Tailored products and solutions available on request



## Improved Performance

Hardplate™ FlowMax successfully reduces the rate of wear through a decrease in micro turbulence and impact. Under abrasive conditions it has been shown to extend the service life of parts by up to 9 times when compared to quenched and tempered materials. The versatility of

Hardplate™ FlowMax makes it the ideal solution for a range of industries and applications such as, mill liners, sieves, screens, bins, hoppers, chutes, truck trays, loader and shovel buckets.



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