

DURAPLATE HiSPEED[®]

SMOOTH CRACK FREE PLATE FOR INCREASED WEAR RESISTANCE

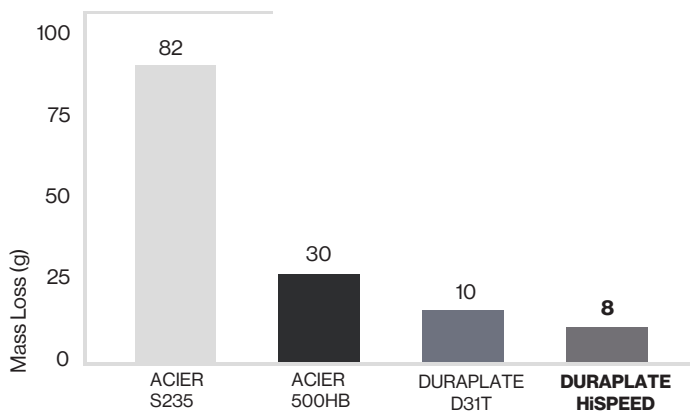
DURAPLATE[®] HiSPEED is a steel overlay sheet with construction steel base and a completely smooth wear resistant coating.

DURAPLATE HiSPEED[®] is a highly wear-resistant plate with a smooth and crack-free surface, specially designed to provide superior sliding properties compared to conventional clad plates.

The wear resistant layer is made of fine chromium carbide particles distributed within a ductile matrix, giving it exceptional wear resistance across its entire thickness.



ASTM G65



CHARACTERISTICS

- Thickness: 5+5, 6+6, 6+7, 8+8, 10+10, 12+12
- Hardness: 58-60 HRC
- Smooth surface, without visible cracks or weld beads
- Low coefficient of friction
- Maintains wear resistance up to 450°C
- Excellent wear resistance (impacts and abrasion)
- Smooth and linear fusion line

BENEFITS

- Reduced clogging and adhesion effects
- Extended lifespan
- Enhanced productivity
- Absence of residual stress
- Reduced maintenance requirements
- Lower operating costs
- Versatile and adaptable to various applications



The exceptional versatility of **DURAPLATE HiSPEED®** makes it the ideal choice for various industries and applications, including:

- ✓ Mill linings
- ✓ Screens
- ✓ Hoppers
- ✓ Chutes
- ✓ Dump truck liners
- ✓ Loader and excavator buckets

No matter the industrial application, DURAPLATE HiSPEED® offers a reliable and wear-resistant solution to meet even the most demanding needs.

Why Choose DURAPLATE HiSPEED®

Standard CCO Clad Plate

Rough and degraded surface:

Effects of product adhesion, clogging

Weld beads : Mandatory to orient the plates for oscillated beads to limit wear

Significant and uncontrolled dilution : Reduced effectiveness of the plate midway through its lifespan

Significant cracking :

High stress levels within the cladding, leading to spalling

Duraplate Hi-Speed

Smooth Surface : Low friction coefficient, reduced clogging

No Weld Beads : Multidirectional wear resistant properties, no need for plate orientation

Very Low Dilution with Uniform Fusion : Consistent hardness throughout the thickness, constant wear resistance

Very Low Cracking : Minimal residual stress, ease of implementation

Application of DURAPLATE HiSPEED®

Laser / Plasma Cutting : No constraints, standard parameters, no stress release during cutting.

Bending / Rolling : The cladding should always be on the inside of the bend radius. The guaranteed minimum bending radius is 15 times the thickness.

Welding : Assembly using our CORINOX 307 wire for root passes, followed by possible final passes using our EASYCOR 70M wire.

Welds should be protected using our DURCOR31WO wire.

