



Premium Chromium Carbide

CastoDur® Diamond  Plate
SlickMax

- Maximized abrasion resistance while minimizing hang-up problems
- Excellent choice for improving muck flow with an optimized coefficient of friction
- Enhanced surface properties with a uniform overlay microstructure
- Smooth, dense, chromium carbide-rich overlay provides overall performance

CDP® SlickMax is an anti-hang-up wear plate designed to minimize or eliminate material build-up. The high Chrome formula allows for a reduced hang-up and low co-efficient of friction for bulk material handling systems. Proven for use in chutes, hoppers and bin systems with continuous gravity-fed flow.

Developed as an alternative solution to excessive wear rates and high friction characteristics associated with both QT plates and traditional weld overlay plates.

- Excellent material flow
- Reduction in material hang-up
- Supplied in ultra-polished surface characteristics with less than 3.5 Ra
- Up to 50% less coefficient of friction than standard CCO plates
- Designed to suit project specific liner configurations

TECHNICAL DATA

Plate Thickness (Base + Alloy)	lb / ft ²
10 mm (05+05)	16
12 mm (06+06)	21
20 mm (10+10)	30
25 mm (12+12)	41

STANDARD SIZE:

Available as project-specific liners only.

- Made-to-spec base metal grade
- Engineered overlay thickness varies from 3mm to 38mm

TYPICAL APPLICATIONS:

Mining & Minerals / Oil & Gas:

Feed Aprons / Chutes, Mine Skips, Bins / Hoppers, Screens, Haul Trucks

Cement:

Fan Blades, Classifier/Separators, Gooseneck Chutes, Dust Collectors

Utilities:

Exhauster Blades and Classifiers, Boiler Ducts and Burners

Recyclers:

Wear Guides, Deflectors, Holding Bins and Hoppers

WELD OVERLAY PROPERTIES

Nominal Hardness	58 - 63 HRC
Carbide Hardness	1500-2200 DPH
ASTM G-65	0.17 - 0.15 g. loss
Max. Service Temp.	450°C
Plate Density	7.86 g/cm ³
Typical Analysis	Premium CrC Alloy

