



Ultra Tough Impact Plate

CastoDur® Diamond  Plate

CDP® TuffMax

- Ultra-tough proprietary alloy when high impact becomes a costly factor
- Superior choice to 500 BHN grade steel with field-proven performance
- Excellent mechanical properties and toughness for rapid impact
- Made-to-perform overlay formula for improved TCO

CDP® TuffMax

CDP® TuffMax is CE's ultra-tough impact grade weld overlay plate. With its optimized toughness, CDP® TuffMax offers an exceptional ratio of impact wear loss.

Superior performance is achieved via ultra-tough alloy chemistry, making CDP® TuffMax a cost-effective solution when compared against AR steel plates and bimetallic castings.

SHOCK TABLE IMPACT TESTING:

- ▶ Sample Size: 200mm X 300mm
- ▶ Impact Zone: 100mm x 35mm
- 70 kg. of impact hammer dropping from 10 ft. height
- Repeated continuously 3 times

No delamination or disbondement of overlay layer

TECHNICAL DATA

Plate Thickness (Base + Alloy)	Plate Dimension (Cladding Area)
13 mm (08+05)	1400 x 3500
19 mm (12+07)	1400 x 3500
20 mm (10+10)	1400 x 3500
26 mm (19+07)	1400 x 3500

STANDARD SIZE:

Standard Sheet: 1400 mm x 3500 mm (53 ft²)

- Made-to-spec base metal grade
- Custom plate sizes are available upon request
- Engineered overlay thickness based on application requirements

TYPICAL APPLICATIONS

- Primary / Secondary Crusher
- Entry / Discharge Chutes
- Loading pocket / measuring boxes
- Mine Skip Liners
- Skirtboard liners
- Conveyor skirting
- Vibratory feeders

WELD OVERLAY PROPERTIES

Nominal Hardness	58 - 62 HRC
Carbide Hardness	2100 - 2500 DPH
ASTM G-65	0.17 - 0.15 g. loss
Max. Service Temp.	450°C
Plate Density	7.86 g/cm ³
Typical Analysis	Ultra-tough Multi-Carbides

