



ROAD MACHINERY & SUPPLIES CO.



TRI-CHROME CHROMIUM CARBIDE OVERLAY (CCO) PLATE



Tritec's Tri-Chrome Chromium Carbide Overlay plates are manufactured by hardfacing a steel base with an abrasion-resistant material using an arc welding process.

Chrome carbide makes an excellent wear liner for severe service applications, often times outlasting abrasion resistant steel (i.e. AR500) by a factor of multiple times life, it also has a lower coefficient of friction for applications where material sticking is a concern. The hardness of the overlay coupled with the chemistry and micro-structure provide superior wear life in severe applications.

Hardfacing overlay products are suitable for extremely severe abrasive wear and moderate to low impact. The structure of the overlay is a high proportion (up to 30 – 45%) of hard primary chromium carbides in a eutectic matrix.

Chromium Carbide Applications:

- Mining: Truck bed, dozer blade, shovel/loader bucket, chute/hopper/feeder liners
- Power: Coal handling systems, chutes, coal feeder, classifier cone, silo bunker, & journal liners
- Aggregate/Cement/Plant: Hopper, conveying side/skirt liners, bin liners, chute liners, crusher mainframe liners, & discharge liners
- Steel/Other: Fan blade liners, fan housing liner, vibrating screen plate liner, blast furnace liners & miscellaneous other liner applications

Plate sizes: 4'x8' (limited)
5'x10', 6'x10'

Thicknesses:

1/4" on 1/4" — 1/2" total thickness
3/8" on 3/8" — 3/4" total thickness
1/2" on 1/2" — 1" total thickness

Customization:

- Custom shape cutting
- Forming and rolling
- Thru holes, countersunk holes, and custom-made inserts for counter bore type applications
- Hardened countersunk bolts in a variety of sizes to use in countersunk holes



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