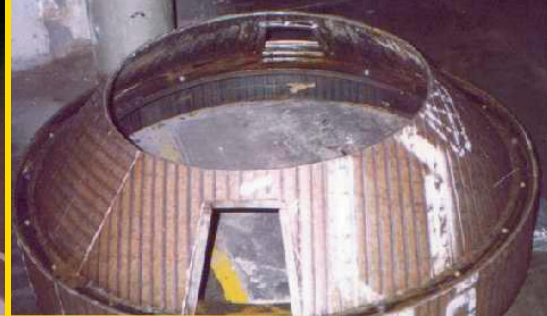


Chromium Carbide Wear Plate

# CastoDur<sup>®</sup> Diamond Plate 4624



## WEAR PLATES

- Improved resistance to wear by abrasion, moderate impact, and heat
- A wide range of custom products for every industrial application
- Can be easily cut by plasma or abrasive waterjet process
- Easily formed and fabricated for custom component manufacturing



## DESCRIPTION:

CDP 4624 wearplate is a Chrome Carbide welded overlay on a carbon steel base plate. This combination of materials allows CDP 4624 wearplate to maintain structural integrity in situations involving severe abrasion, moderate impact and heat.

CDP 4624 is manufactured in 51.5" x 112" sheets that can be cut, formed or rolled to desired shapes. CDP 4624 is easily welded or bolted into place. For custom shapes, sizes and fabrication please contact Eutectic Technical Service Department.

## TECHNICAL DATA:

Overall Thickness	Base	Overlay	Approx. Wt per sq/ft
3/8" (10mm)	6mm	4mm	16 lb.
1/2" (12mm)	6mm	6mm	21 lb.
3/4" (19mm)	12mm	7mm	31 lb.
1" (25mm)	19mm	7mm	41 lb.

## STANDARD SIZE:

51.5" x 112" (approx. 130 cm x 284 cm)

Standard plates are manufactured in a **XuperWave-s pattern**. The **XuperWave-s pattern** is a unique sinus weld bead geometry that provides additional value, improving even more wear performance and minimizing plate scrap.

## OVERLAY PROPERTIES:

Nominal Hardness:	HRC 55 - 59
Microhardness:	DPH 1800-2000
Macrohardness:	HRC 55-59
Max Service Temperature:	842°F (450°C)
Overall Wear Plate Density:	0.284 lb/in <sup>3</sup>
ASTM G65 Wear Test Results:	21 mm <sup>3</sup>
Typical Analysis with Principal Elements:	Fe-Cr-C

## WELDING INFORMATION:

CDP 4624 wear plates are easily welded using Eutectic alloys:

### SMAW (Electrode)

Low and Medium carbon steels; high strength, low alloy steels. EutecTrode® 966

Alloy steels; manganese steels; hardened steels. XHD® 6868, 9598 CEC (3/32" dia. (2.4mm))

Attachment weld may be overlaid with XHD Abratec N6715 to protect against abrasive wear.

### GMAW (Wire)

Low and Medium carbon steels; high strength, low alloy steels. EnDOtec® DO\*2665 or TeroMatec® OA 2020 Continuous electrodes

Alloy steels; manganese steels; hardened steels. EnDOtec® DO\*685 or TeroMatec® OA 3205 Continuous electrodes

Attachment weld may be overlaid with EnDOtec® DO\*10 or TeroMatec® OA 4603 to protect against abrasive wear.

## TYPICAL APPLICATIONS:

### Cement:

Fan Blades, Deflector Blades and Roller Mill Classifiers

### Utilities:

Exhauster Blades and Classifiers, Boiler Ducts and Burners

### Pulp & Paper:

Chipper Housings, Chip Blowers and Hog Housing Liners

### Oil Sand Mining:

Feed Aprons & Chutes, Haul Trucks, Skid Pads and Runners

### Recyclers:

Wear Guides, Deflectors, Holding Bins and Hoppers

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