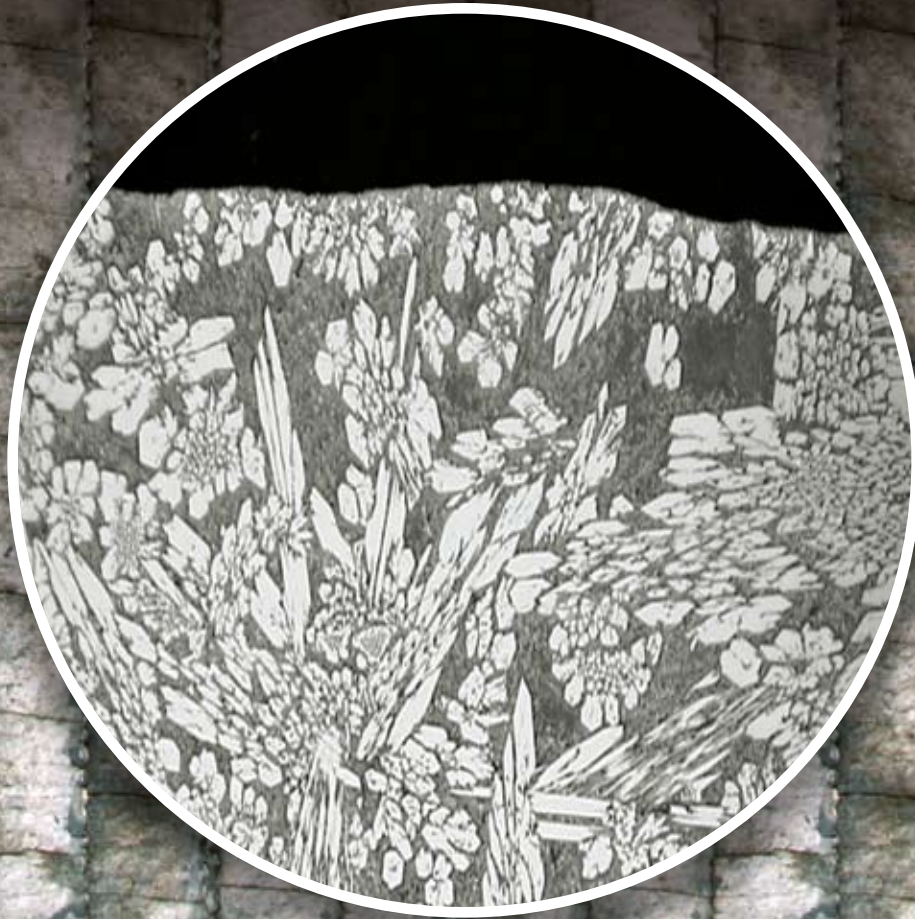




WILKINSON
STEEL AND METALS

ULTRA WEAR™
CHROMIUM CARBIDE OVERLAY PLATE



ULTRA WEAR™ CHROMIUM CARBIDE OVERLAY PLATE



Our **Chromium Carbide Overlay Plate**, known as **Ultra Wear™**, is an extremely hard surface providing exceptional wearability and slideability! The process is achieved by applying accurately blended metal powders to a steel base plate by melting both with a system called sub-arc welding.

➤ Features

- Easily cut with plasma torch
- Easily welded with standard electrodes
- Easily formed, chrome in or chrome out
- Overlay can be applied to both sides of the plate
- Very Smooth after wear-in
- Large plate sizes
- Lead the industry in flatness
- Size of plate is actual overlay coverage
- Engineer on staff
- Ultra Wear has been manufactured since 1996
- ASME IX Compliant

➤ Customer Benefits

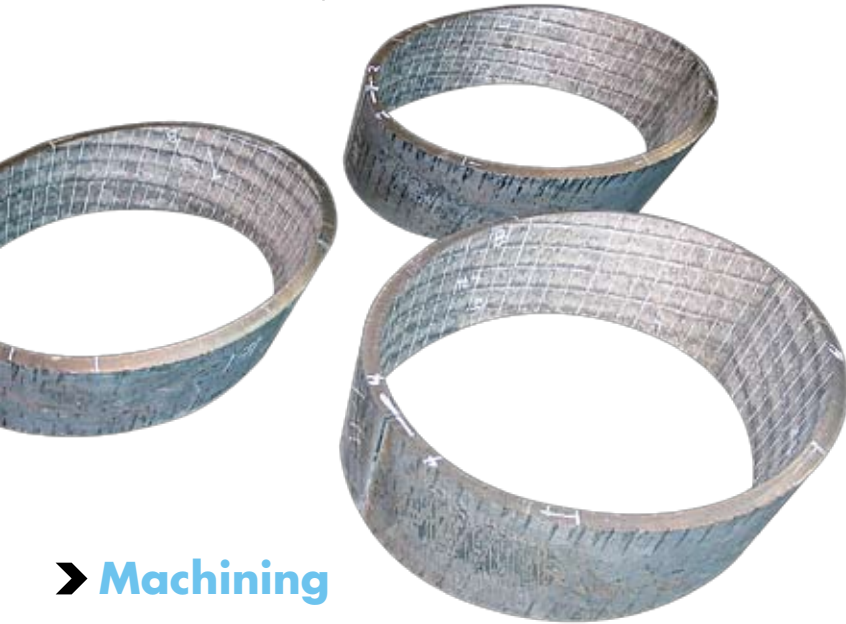
- Can be cut on the job site
- Not challenging to weld like many other wear plates
- Can readily be formed to special shapes often saving fitting and welding of smaller pieces
- Great for applications involving wear on both sides of the plate such as deflectors
- Minimal holdback in buckets - get maximum capacity and increase efficiency
- Reduced welding costs when you need fewer seams
- Reduced scrap when nesting parts
- Less hassle when fitting or forming plates
- You know exactly what you have to work with
- Quick responses on technical questions or spec reviews
- Will work with you on unique requirements
- Proven Product
- Consistent and compliant product

Field experience has proven Ultra Wear™ is highly cost-effective in both intense abrasive wear and product hold back areas.



➤ Shape Cutting and Forming

Ultra Wear can be easily cut to dimensions using Plasma Torch, Water Jet or Arc air gouging. Ultra Wear can be rolled both with and across the weld seams. Whenever possible, chrome-carbide overlay should be formed to the inside of the radius, however it can be formed to the outside but a radius of 20 x thickness is required.



➤ Machining

Ultra Wear cannot be machined or drilled by conventional means. Both countersunk and square holes must be cut by Plasma Torch or Water Jet.



➤ Installation

Weld beads should be installed at 90 degrees to the flow of material whenever possible to obtain maximum wear life. In some cases to prevent turbulence, it is necessary that weld beads run in the direction of flow such as fan blades.



ULTRA WEAR™

COMMON OVERLAY THICKNESSES

	Overlay	Base Metal
Ultra Wear 188 Color Code Blue	3/16"	Various base
Ultra Wear 250 Color Code Black	1/4"	metal thicknesses
Ultra Wear 375 Color Code Grey	3/8"	are available in single and
Ultra Wear 500 Color Code Red	1/2"	double pass

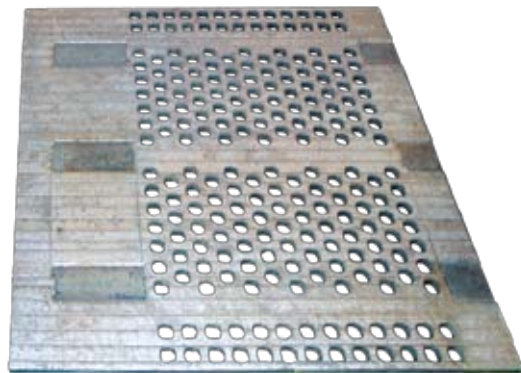
Notes:

Standard plate size 90" x 240"

Alternate base material can be used, such as SA 516-70

Cutting, contour beveling, forming, fabrication and project management available.

Custom overlay thicknesses can be produced upon request.



Certified to
ISO 9001:2008

Branches

Edmonton - Manufacturing Location	1-800-661-8214	Prince George	1-800-665-6960
Vancouver	1-800-663-1297	Calgary	1-800-661-3122
Victoria	1-800-665-5615	Fort McMurray	1-800-661-8214
Kamloops	1-800-665-6626	Saskatoon	1-800-667-9710
Cranbrook	1-800-262-5377	Regina	1-888-862-3676

www.wilkinsonsteel.com