High Performance Chrome Carbide Wear Plate

(Lower coefficient of friction than typical straight line or serpentine overlay plate!)

Features & Benefits
Wear-Con HyperClad™ is a High Performance, Smooth, Chrome Carbide Overlay, welded on mild steel wear plate. The smooth surface has no cracks because it is produced by a proprietary welding process. The overlay structure consists of large primary carbides surrounded by smaller secondary carbides and a matrix of austenite. HyperClad™ has a unique range of characteristics. Impact resistant, abrasion resistant, lower coefficient of friction, along with the ability to withstand temperatures up to 1000°F. Due to the combination of these qualities, HyperClad™ outperforms all other standard chrome carbide overlay lining materials. HyperClad™ increases production time by increasing flow and reducing the frequency of shutdowns. That’s High Performance!

Installation
Wear-Con HyperClad™ can be welded into place with a low hydrogen rod such as AWS spec. 7018 or E70-s on the base metal. A butter pass should consist of a 309/310 stainless steel rod/wire for dissimilar metals. The cover pass at the overlay section should be 60 HRc Hardsurface Rod. HyperClad™ can only be rolled with the chrome carbide to the inside.

Technical Specifications
Wear-Con HyperClad™ High Performance Wear Plate has a 55-62 HRc hardness. It can provide a wear resistance up to 5 times longer than 500 Brinell AR steel.

Sizes
HyperClad™ is available in 47.25” x 118.25” sheets. Custom fabrications are also available.

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<thead>
<tr>
<th>Standard Sizes</th>
<th>Dimensions</th>
<th>Thickness</th>
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<td>47.25” x 118.25”</td>
<td>3/8”  1/2”  3/4”  1”</td>
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(See reverse for HyperClad™ applications.)
Applications:
- Feed Chutes
- Raw Material Chutes
- Hoppers
- Panels
- Disks
- Grates
- Crushers
- Skirtboards
- Separator Blades
- Pulverizer Classifier Cones
- And Many More!

NUT OF WEAR PLATES: weld internal thread nut to base with E7018 or E70-S rod

BOLT OF WEAR PLATES: weld bolt to wear plates with E7018 or E70-S rod

COUNTERBORE OF WEAR PLATES: cut through hole with line cutting, embed countersunk ring and weld to nut bolt with E7018 or E70-S rod

(See reverse for HyperClad™ information.)