UP-X

Antwear Chromium Carbide Overlay

UP-X is a wear plate composed of Chromium carbides and mild steel plates. Base on our patent welding technique, UP-X has excellent performance in wear resistant.

**HARDNESS**

<table>
<thead>
<tr>
<th></th>
<th>HRC 58-62</th>
</tr>
</thead>
</table>

**CHEMICAL COMPOSITION (wt %)**

<table>
<thead>
<tr>
<th></th>
<th>C</th>
<th>Cr</th>
<th>Mn</th>
<th>Si</th>
<th>Fe</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&gt;3.5</td>
<td>&gt;20</td>
<td>*</td>
<td>*</td>
<td>Bal.</td>
<td>-</td>
</tr>
</tbody>
</table>

**STANDARD THICKNESS (mm)**

8 (4+4), 10 (6+4), 12 (6+6), 13 (8+5), 14 (8+6), 20 (10+10), 40 (22+18)
Customized thickness is available.

**STANDARD SIZE (mm)**

1200 x 2400, 1500 x 3000, 2200 x 3000
Customized size is available.

**TOLERANCE**

+1.5mm
-0.5mm

**OPERATION TEMPERATURE**

< 600 °C (> 550 HV)

**ASTM G65 Procedure A**

0.14-0.19 (Undiluted Deposit)

**MICROSTRUCTURE**

Hexagonal carbide imbeds in tough austenitic and martensitic matrix.
Volume fraction of primary carbides is 30%.

**MACHINABILITY**

Flame cutting, Plasma cutting, Saw cutting, Laser cutting, Water jet cutting, EDM, Gouging, Countersink, Stud bolt

**FORMABILITY**

Minimum Radius: 150 mm (for 6+4, with overlay inward)
Suggested: using hydraulic press machine to bend UP-X

**APPLICATION**

Ash pipe lines, Elbow, Duct, Bucket, Sinter breaker bar, Drag lines, Conveyor casing, Chute & Hopper liner, Classifier, Ore chute, Fan blade, Cyclone, Discharge funnel, Slag chute, Grizzly bar and so on

**UP-X is good for general situation with high abrasion and moderate impact**