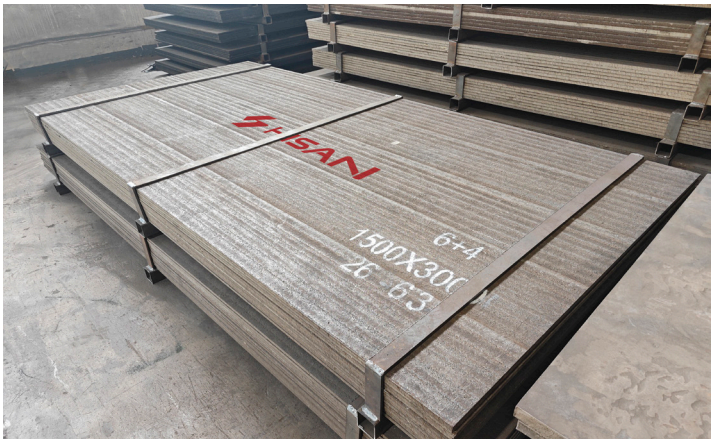
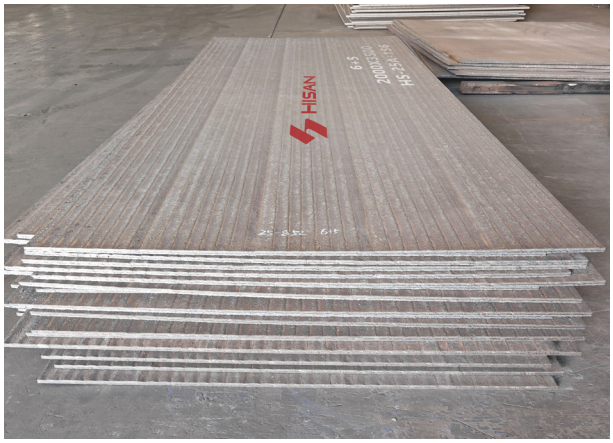
HISAN





HS100 *Chromium Carbide Overlay Wear Plates*

HS100, manufactured using open arc welding technology, clads one or multiple layers of wear resistant materials onto a mild steel backing material.

Chromium carbides are evenly distributed throughout the uniform thickness of the overlay layer, achieving exceptional wear resistance while maintaining excellent ductility and enabling forming and welding capabilities.

With a minimum thickness of 2on2, HS100 performs well in medium abrasion operating environments.

- ***Bulk Hardness: HRC 58-65***
- ***Abrasion Test result: ≤ 0.20g(testing under ASTM G65, procedure A)***

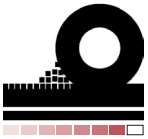
TYPICAL PROPERTIES

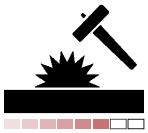
Element	C	Si	Mn	Cr	Others
Content	3.0-6.5%	0.5-2.5%	0.5-2.5%	20-32%	Bal

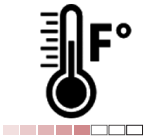
SIZE

Standard plate size(mm)	1400*3000	1400*3500	1500*3000	2000*3000	2100*3500	2100*6000	2200*11000
Overlay thickness(mm)	2-80						
Base material thickness(mm)	2-150						
Common thickness Base+Overlay(mm)	2+2 3+3 4+4...6+4 6+6 8+6 8+8 10+9 10+10 8+12 12+12... 12+17 10+20 12+30...14+40 16+50 20+80...						

Other sizes and thicknesses available on request.





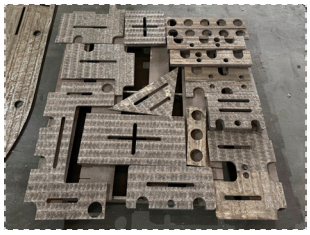


HISAN (Tianjin) Co., Ltd
+86 22 84776558
hs@hisantech.com
hisantech.com
No.3, Xingang Wuhao Road, Jinnan District, Tianjin, China

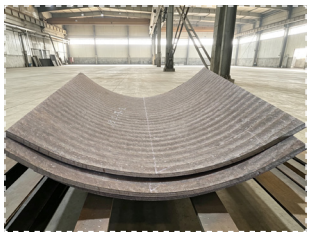
FABRICATION

The backing steel plate provides Hisan plates with structural integrity, which makes our overlay plates fabricated without damage to the welding overlay, regardless of the shape and complexity of the structure. Hisan has the capability to manufacture cut to size wear parts, fabrication includes:

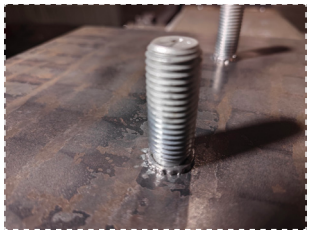
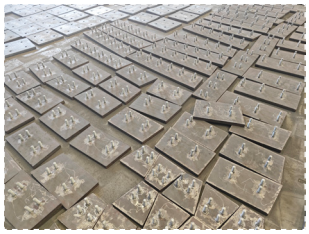
Cutting, Punching



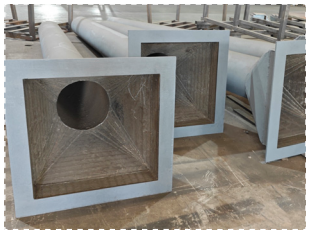
Bending



Bolting

Assembling



APPLICATION

The overlay plate is widely used in mining, iron&steel, port, cement, concrete, aggregate, asphalt, coal-fired power, metal recycling, glass production, sugar, dredging, foundry, pulp and paper industries. Different overlay grades are available to suit various working conditions.

HISAN (Tianjin) Co., Ltd
+86 22 84776558
hs@hisantech.com
hisantech.com
No.3, Xingang Wuhao Road, Jinnan District, Tianjin, China