

# UP-H Hi-Temp Anti-wear Multiple Carbide Overlay

UP-H is a wear plate composed of multiple carbides and mild steel plates. Base on our patent welding technique and metallurgical experience , UP-H has excellent performance in wear resistance even under elevated temperature.

<b>HARDNESS</b>	HRC 60-64					
<b>CHEMICAL COMPOSITION (wt %)</b>	C	Cr	Mn	Si	Fe	Other
	> 3.8	> 15	*	*	Bal.	Nb, Mo, V, W
<b>STANDARD THICKNESS (mm)</b>	10 (6+4), 12 (6+6), 13 (8+5). 14 (8+6), 20 (10+10) Customized thickness is available.					
<b>STANDART SIZE (mm)</b>	1200 x 2400, 1500 x 3000, 2200 x 3000 Customized size is available.					
<b>TOLERANCE</b>	+ 1mm - 0.5 mm					
<b>OPERATION TEMPERATURE</b>	< 800 °C (> 450 HV)					
<b>ASTM G65 Procedure A</b>	0.13-0.18 (Undiluted Deposit)					
<b>MICROSTRUCTURE</b>	Uniformly distributed hexagonal Chromium carbides and Niobium carbides imbedded in tough austenitic and martensitic matrix.					
<b>MACHINABILITY</b>	Plasma cutting, Saw cutting, Laser cutting, Water jet cutting, EDM, Gouging, Countersink, Stud bolt					
<b>FORMABILITY</b>	Minimum Radius: 150 mm ( for 6+4, with overlay inward) Suggested: using hydraulic press machine to bend UP-H					
<b>APPLICATION</b>	Distribution chute in steel mill, Coke sizing screen, Sinter bars, Single roll crusher in sintering plant, Feed spout and so on					

***UP-H is good for sliding abrasion  
under elevated temperature***