

UP-X

Anti-wear 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	HRC 58-62					
CHEMICAL COMPOSITION (wt %)	C	Cr	Mn	Si	Fe	Other
	> 3.5	> 20	*	*	Bal.	-
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.					
STANDART SIZE (mm)	1200 x 2400, 1500 x 3000, 2200 x 3000 Customized size is available.					
TOLERANCE	+ 1.5mm -0.5 mm					
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***