

CHROMIUM CARBIDE (CCO) PLATE

Moderate Abrasion Resistant Wear Plate

ASGCO's® **Chromium Carbide Wear (CCO) Plate** is an extra hard clad plate with additives that gives even higher abrasion resistance in high stress applications with moderate to low impact conditions. It is produced using a mild steel base plate and hard-faced / overlaid with our proprietary high chromium wire. ASGCO's® Chromium Carbide Wear (CCO) Plate can be formed and rolled. **And for our customer specific needs we can custom cut to any size and apply studs to the base of the liners for easy removal.**



BENEFITS & FEATURES

- Cost effective solution when compared to traditional abrasion-resistant steels
- Recommended for resistance to wear by abrasion, fretting, cavitation, and particle erosion in high temperature applications (up to 1100°F).
- Ideal for mild to moderate impact abrasion resistance.
- Low maintenance cost and easy installation.
- The overlay surface of CCO plate will consist of a series of beads with numerous hairline cracks in them. These properly spaced crosscheck cracks are a natural phenomenon and are beneficial to the material. The cracks propagate through the overlay and end at the fusion line.

APPLICATION SPECIFICATIONS

- **Cutting** - Plasma burning, air arc, abrasive saw or water jet.
- **Welding** - Our CCO overlay plate can be joined by welding the substrate to substrate using 309 weld wire/rod.
- **Bending** - Using a press brake, forming should be perpendicular to the weld pass direction. Plate rolling should be performed in the directions of the overlay beads.

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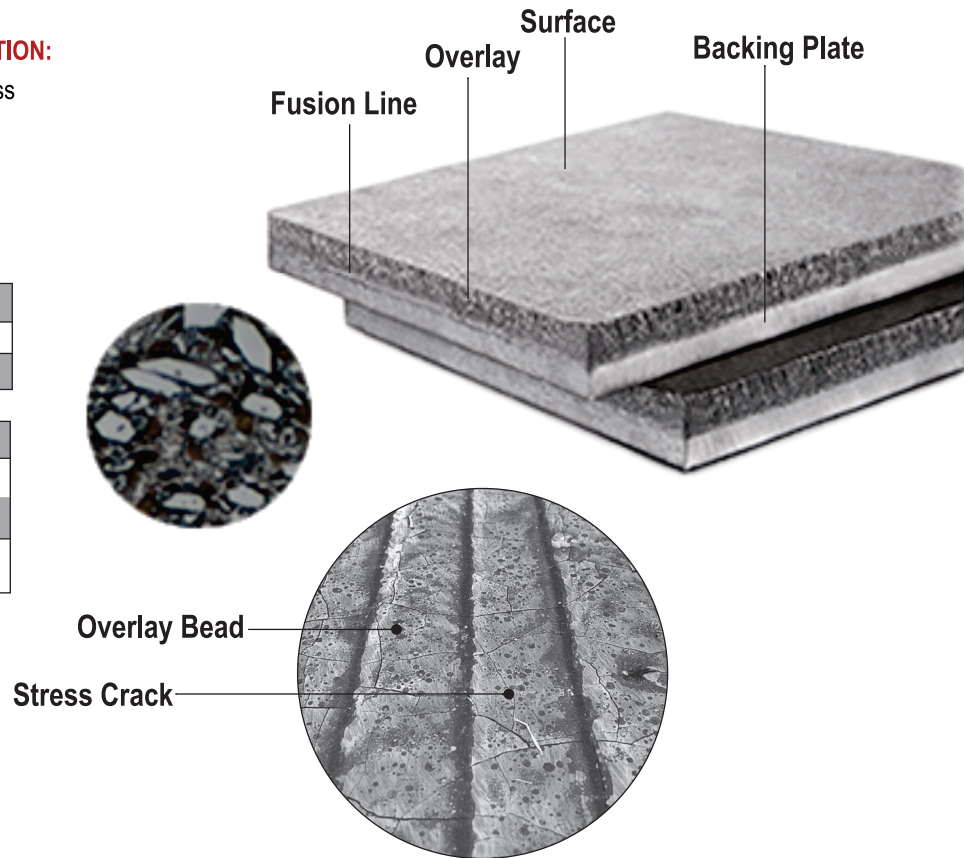
TECHNICAL SPECIFICATIONS & CHEMICAL COMPOSITION:

- Hardness ranges from 58-62 HRC based on weld thickness
- Superior wear resistance
- Optimum solution for most industrial applications

CHEMICAL COMPOSITION AG-1000					
C%	Mn%	Cr%	B%	Mo%	Hardness HRC
4,5-5,5	2,0-3,0	27,0-33,0	0,7-1,0		60±2

	mm		in	
	Width	Length	Width	Length
DIMENSION: PLATE	1500	3000	59"	118"
DIMENSION: OVERLAY	1400	2950	55"	116"

SPECIFICATION		
Base	Clad	# of Single Pass
1/4"	1/4"	1
3/8"	3/8"	2
1/2"	1/2"	2



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