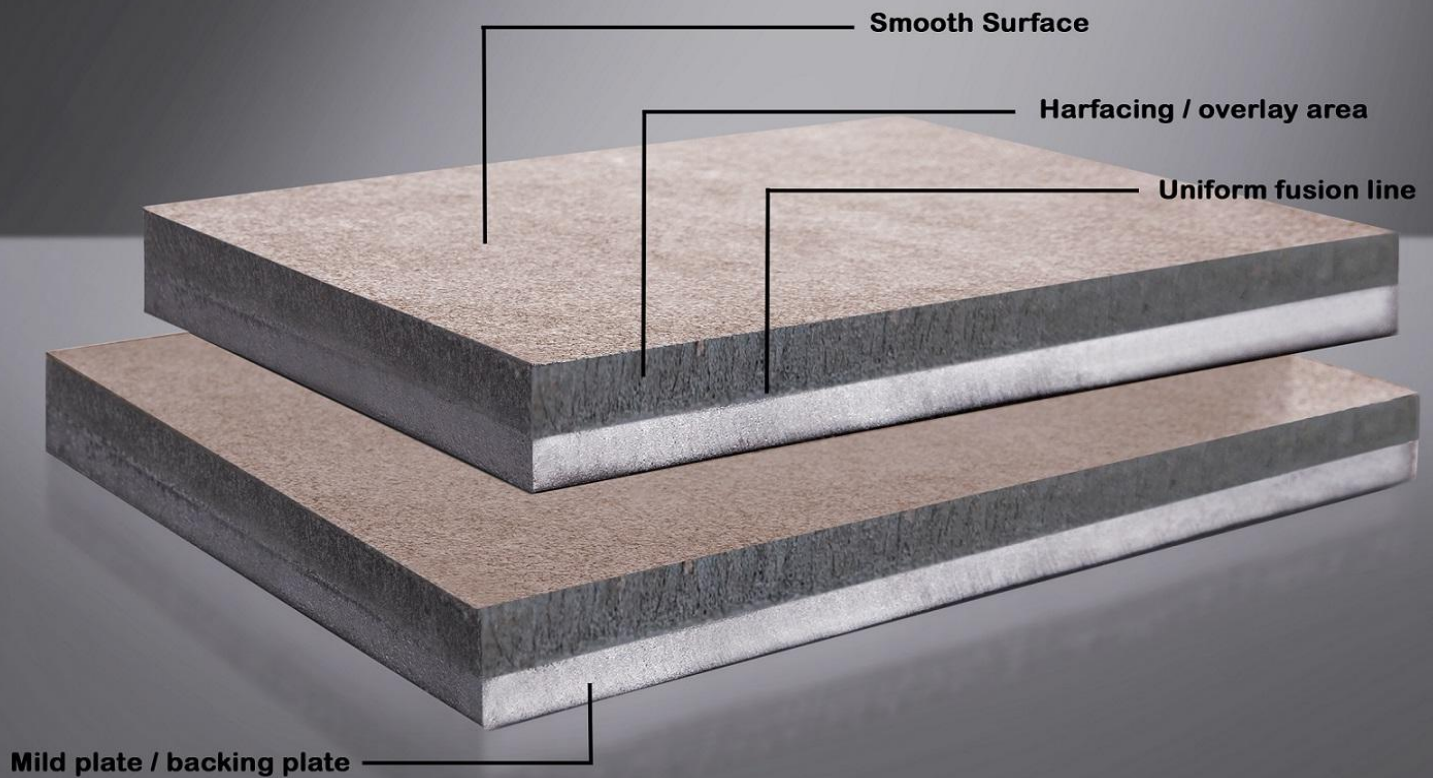


# Smooth Surface

## Premium Chromium Carbide

### Overlay Plate - **ULTRABRA**



Your reliable workhorse for  
combating abrasion and  
hang up / stick



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# CHROMIUM CARBIDE OVERLAY (CCO) PLATE

**FIX PROBLEM IN WEAR ABRASION AND REDUCE STICK / HANG UP**

**REDUCE DOWNTIME AND COST, CARRY MORE BENEFIT**

Items	ULTRABRA	Welded Overlay Plate	Q&T Plate	Ceramic	Plastics & Rubbers	Cast Manganese
High Wear Resistance	✓	✓		✓		
Consistent Hardness	✓			✓	✓	
Smooth Surface Finish	✓		✓	✓	✓	✓
Impact Resistance	✓	✓	✓		✓	✓
Non-Directional Application	✓		✓	✓	✓	✓
Low Residual Stress	✓		✓	✓	✓	
Easy Installation	✓	✓	✓			✓
Unaffected by Processing	✓	✓		✓	✓	✓
No Size Limitations	✓	✓	✓			

**ULTRABRA** plate is a revolutionary and uniquely manufactured product using advanced fusion bond welding technology to apply a highly abrasive resistant chromium carbide onto a steel substrate. Delivering a smooth overlay deposit with consistent chemistry and micro-structure down to the fusion line. Uniform distribution of chromium rich primary carbides M7C3 in a carbide-austenite eutectic matrix produces a wear plate that gives high abrasion resistance with excellent impact properties.

## Available In The Following Grades

**Ultrabra 35** - General application with high abrasion and moderate impact

**Ultrabra 65** - Severe abrasion, high impact and high temperature

**Ultrabra 65T** - Severe abrasion, moderate impact and high temperature



## Chemical Composition

Chemical Composition	Grade	C	Cr	Mn	Si	Others	Bal
	U35	4.0-5.0%	25-40%	1.0-2.0%	0.5-1.0%	0.5-1.5%	Fe
	U65	4.0-5.0%	22-40%	1.0-2.0%	0.5-1.0%	7-10%	
	U65T	4.0-5.0%	22-40%	1.0-2.0%	0.5-1.0%	5-10%	

## Standard Thickness Range

Standard plate (mm): 1000/1200 × 3000. Tailored chemical composition, plate size & thickness are available on request

Overlay	mm	3*	4*	4	6	6	8	8	10	10	12	17	20
	Inch	1/8	3/16	3/16	1/4	1/4	5/16	5/16	3/8	3/8	1/2	2/3	5/6
Backing Plate	mm	3*	4*	6	6	8	8	10	10	12	12	12	12
	Inch	1/8	3/16	1/4	1/4	5/16	5/16	3/8	3/8	1/2	1/2	1/2	1/2

## Typical Applications

**Fixed Plant Liners** - Load out bins, discharge chutes, deflector plates, transfer chutes, crushers liners, sizing screens, feed bins, surge bins.

**Mobile Equipment Lines** – truck body, dozer, blades, excavator buckets, dragline buckets, grader blades, skid plates.