

PRECEMAY

CHROMIUM CARBIDE OVERLAY PLATE – ABRACLAD 60



ABRACLAD is one of the most versatile wear resistant materials currently available to the Plant Engineer and Maintenance Manager in today's market.

A wide choice of plates and thicknesses...

Offering excellent resistance to abrasive wear under moderate to high impact conditions, our **ABRACLAD 60** is available in a choice of sizes - up to a maximum of 4000 mm x 2000 mm, with a choice of thicknesses from 8 mm to 40 mm.

Virtually any alloy/base plate combination can be supplied with typical overlay thicknesses ranging from 3 mm to 17 mm, and base plate thicknesses from 5 mm to 20 mm.

Nominal overlay composition...

The wear performance of chromium carbide overlay plate is not solely a function of hardness but relies on a microstructure densely packed with primary chromium carbides.

The microstructure of **ABRACLAD 60** has been refined to offer the ideal combination of abrasion and impact resistance. Our material has a high chrome alloy overlay with a nominal 32% Cr composition with small additions of manganese and other elements achieving a microstructure / hardness of **60-63 HRC**.

Our range also includes A62, A63, A64 & A65 – each grade has its own unique chemical composition, which can relate to a higher performance but is very much dependant on the application . These plates are produced to a special analysis with small inclusions of **Silicon, Niobium, Tungsten, Molybdenum and Vanadium**. Please ask your sales representative for more information if required.



PRECEMAY FZE

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CHROMIUM CARBIDE OVERLAY PLATE - ABRACLAD 60

Not just full sheets...

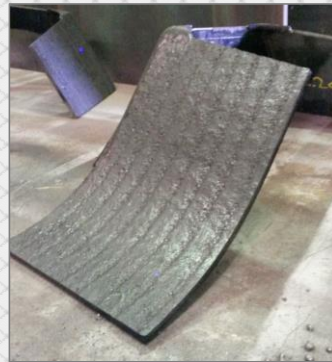
PRECEMAY FZE also offers a full profiling and fabrication service. Our competitive plasma or laser profiling service can also include counter sunk holes (with or without inserts), plug holes and welded studs, positioned with precision.

Unlike hardened mild steel, **ABRACLAD** can also be fabricated into all manner of shapes to suit any application - chutes, hoppers, cones, screens, pipework, liners, the list goes on.

Wear performance guaranteed...

ABRACLAD offers excellent value for money and thickness verses thickness, is one of the most cost effective overlay plates available in the market today.

In known applications, PRECEMAY FZE will provide performance guarantees for its **ABRACLAD** material, with material test certificates available post production on request.



PRODUCT CERTIFICATE (DIN 50049-2.2)

Certificate number	QC - 17015	Date	17/02/2017
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Customer	
Order No.	32021 - our Ref. AB-1528

No	Batch Nr.	Product description	Serial No.	Pcs
1.	RG-16.215	2950 X 1400 X (6+6)	E1610842	1

items AA4866, 4867, 4868, 4869 profiles 6+6, (12 pieces)

2.	RG-17.021	1150 X 1600 X (12+17)	E1784093	1
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items AE3252LH, 3253RH profiles 12+17, (4 pieces)

Base Material	S235JR
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QUALITY CONTROL

No.	Thickness (mm)		Penetration (mm)	HRc	Chemical Analysis				
	Base	Clad			C (%)	Cr (%)	Mn %	Others	Fe (%)
1.	6	6,1	0,5 - 1,0mm	61,5	5,02	32,08	2,19		Balance
2.	12	17,1	0,5 - 1,0mm	61,6	5,32	33,94	2,26		Balance

*The above chemical and mechanical values refer to samples from batch RG-16.215, RG-17.021 as specified from our Quality Control Procedures according to ISO 9002.