



Abrasion



Erosion



Korrosion

ALPHACHROM 7000

MADE IN GERMANY



ALPHACHROM 7000

DESCRIPTION

Wear Plate ALPHACHROM 7000 is a steel based layer composite material with a highly wear resistant hardfacing on top.

Extreme strong carbides, uniformly distributed in a tough, austenitic steel matrix, result in a material with a service life multiple of approx. More than 20 times higher than mild steel. The carbide overlay is fused to a highstrength steel backing plate.

HARDFACING

Thicknes 3, 4, 5, 6 = 1 Layer
8 - 30 = 2 ore more Layer

Tolerances +1 / -0 mm

Hardness 62 Hrc

High abrasion and erosion resistance
not usable for high impact.

ELEMENTE

C	5,6
Si	1,2
Mn	0,6
Ni	0
Cr	32
others	1,8
Fe	bal.

Base Material St 37-3 (S235 JRG2)

Thickness Hardwelding (mm)
3 / 4 / 5 / 6 / 8 / 10 / 12 / 15 / 20 / 25 / 30 / 35 / 40

Plate size	Hardfacing	usable m2
1250 x 2500	1100 x 2400	2,70 m2
1500 x 3000	1350 x 2900	4,00 m2
2000 x 3000	1850 x 2900	5,40 m2
2000 x 6000	1850 x 5900	11,00 m2
2250 x 8000	2100 x 7900	16,60 m2

CUTTING AND BENDING

Plasma cutting is the recommended method. It is preferable to cut from the base steel side as it gives a clean edge on the backing plate.

Holes are made by plasmacutting ,
spark erosion and by welding of bushes.
Normal drilling is not possible

Thickn.	3+3	5+3	6+4	8+5	10+5	12+5
Ømm	180	180	250	250	350	450



Bei der Handhabung des Materials sind die jeweils gültigen nationalen Arbeitsvorschriften zu beachten. Die technischen Informationen und Beschreibungen entsprechen unserem heutigen Wissenstand. Diese Angaben sind ohne Gewähr. Sie dürfen nicht als Bestandteil von Verkaufsverträgen angesehen werden. Es gelten unsere "Allgemeinen Liefer- und Auftragsbedingungen"