

AP-CF AbrasaPlate Crack-Free

Description

AP-CF AbrasaPlate is a high-quality compound weld-overlay hardfaced plate. The chrome carbide overlay is applied in a unique fashion which results in a hard, wear-resistance cladding, despite being crack free. The extremely smooth surface finish results in reduced hang up from sticky ores. ASTM G65 wear resistance test results exceed that of AP-3000 AbrasaPlate.

AP-CFP AbrasaPlate has the surface polished to a shiny finish.

Applications

Application requiring a combination of high wear resistance with a smooth surface finish.

- Ash Lines
- Chutes & Ducts
- Hoppers



Typical Weldmetal Analysis

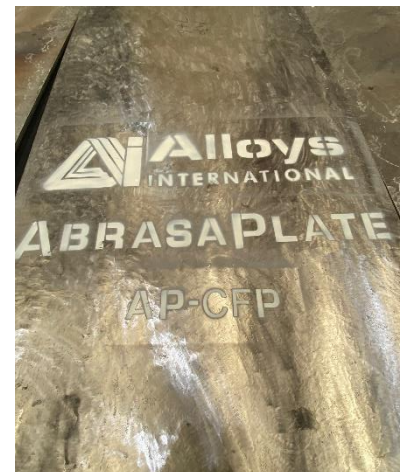
C	Cr	Mn	Si	Fe
3↑	25↑	※	※	Base

Mechanical Properties

Hardness: HRC 60-64.

Microstructure

Mixture of high volume hexagonal shaped chromium carbide in tough austenitic and martensitic matrix. Volume Fraction Primary Carbides: 30%.



Processing

- AbrasaPlate can be welded on the mild steel using standard low hydrogen consumables. For welding the hardfacing side to structural steels we recommend using AI-1707 stainless wire, or AI-207 electrodes.
- AbrasaPlate can be rolled or pressed. Diameters depend on thickness of plate.
- AbrasaPlate can be cut using plasma (from the back side), water jet or laser.

Available Forms

Thickness			Sheet Size
6 on 6	6 on 6 Polished	9 on 7	1.0 x 3.0m

- Backing Plate: Standard SS400 mild steel, others available on request.
- Fabrications available

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy. All figures subject to change without notice. Should you require any further information, please contact us at sales@alloysint.com.au.