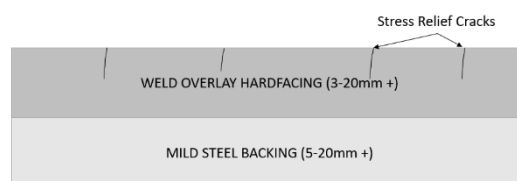
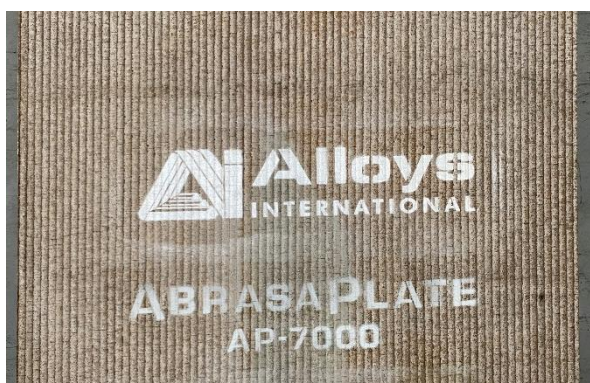


AP-7000 AbrasaPlate

Description

AP-7000 AbrasaPlate is a high quality compound weld-overlay hardfaced plate. The patented submerged arc production process allows for precision control and much higher alloy content than standard wear plates. This results in life extension of ~25% compared to **AP-3000** grade in applications involving high abrasion and low-medium impact.



AbrasaPlate cross-section

Applications

Ash Lines	Elbows	Buckets	Chutes & Ducts
Hoppers	Classifiers	Vibrator Pan Feeders	Sinter Breaker Bars
Crusher liners	Blast furnace	Sinter Plants	Drag Lines
Cement Kilns	Fan Blades	Cyclones	

Typical Weldmetal Analysis

C	Cr	Mn	Si	Fe
4.5-6	30-40	1-3	1-3	Base

*Actual composition varies depending on the overlay thickness

Mechanical Properties

Hardness	HRC 60-65
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Microstructure

Mixture of high volume hexagonal shaped chromium carbide in tough austenitic and martensitic matrix. Relief cracks are normal in the hardfacing.



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-0207** 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

High stock plates:

Thickness	Sheet Sizes
4 on 6	1.5x3.0m
6 on 8	2.2x3.0m
9 on 10	2.2x3.0m

- Other sizes available on request ranging from 4 on 4 up to 30 on 20
- Backing Plate: Standard SS400 mild steel, others available on request.
- Also available as internally or externally hardfaced pipe: AbrasaPipe
- Weld beads run parallel to the longer edge for AP-7000 plate

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. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au



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