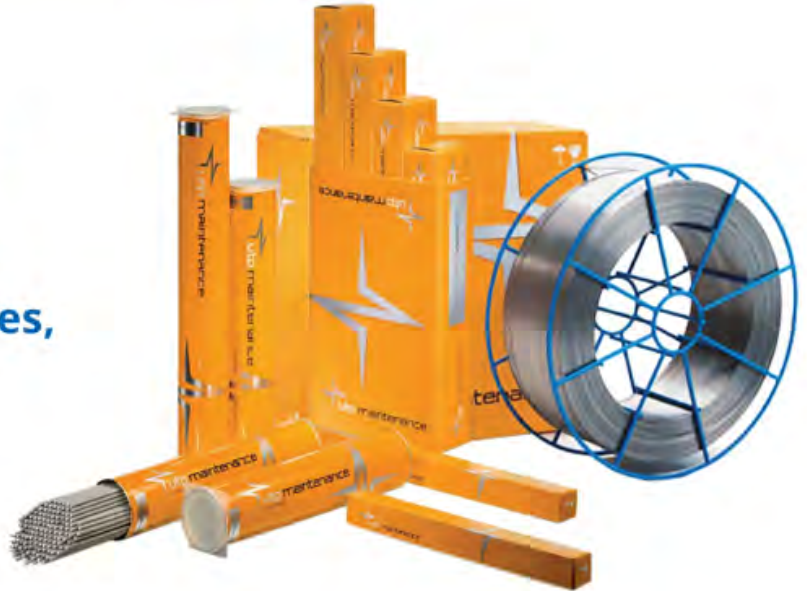




**Alloys**  
INTERNATIONAL  
AUSTRALASIA PTY LTD

## SUPPLIERS OF

**AbrasaPlate® Wear Plate**  
**Specialised Welding Electrodes,**  
**Wires & Powders**  
**Coating Systems**



Alloys International is a privately owned company formed in Australia in 1982 to market a comprehensive range of quality welding alloys and equipment for the maintenance, repair welding and thermal spraying industries.

Alloys International's management is committed to Quality and as such were the first company in our industry to gain third party certification through Bureau Veritas to ISO9001.

GOLD DISTRIBUTORS FOR



Certificate No. AU002253-1

# ABRASAPLATE®

## WELD OVERLAY WEAR PLATE

AbrasaPlate® is a high quality chrome-carbide weld overlay (CCO) wear plate. It is available in various dimensions of hardfacing overlay, and mild steel backing plate. It is easy to work with, and can be rolled, welded, and formed. It is available in standard sheets of up to 2.2x3.0m, or cut to size for a specific application. Alloys can supply AbrasaPlate® with studs welded or holes drilled.

In applications where Q&T plate is used for wear resistance, AbrasaPlate® can offer significantly longer life. ASTM G65 wear tests compared to Q&T plate have up to 10 times better results. Available in stock sheet form or fully fabricated assemblies. Alloys International keep high quantities of AbrasaPlate® in stock.

Alloys International have been the East Coast of Australia's leading Wear Plate distributors for over 30 years.

### GRADES AVAILABLE

- AP-3000 - General purpose Wear Plate for high abrasion and moderate impact.
- AP-7000 - Complex carbide Wear Plate with Niobium, for extreme abrasion.
- AP-CF - Smooth, Crack-free Wear Plate to reduce hang-up.
- AP-X - Cross hatched overlay plate for self protection and high impact applications.
- AbrasaPipe® - Internally or externally hardfaced.

### COMMON SIZES

(Hardfacing thickness / Backing thickness)

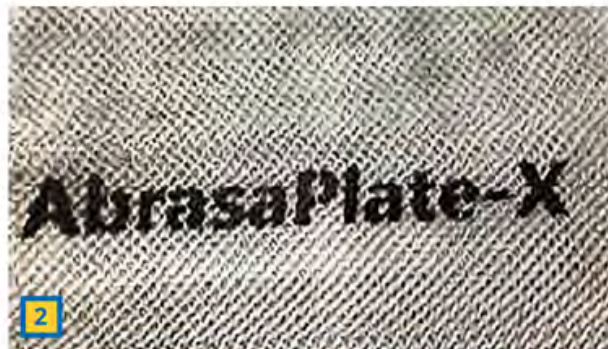
- |                          |         |                         |
|--------------------------|---------|-------------------------|
| ■ 3/3                    | ■ 8/8   | ■ 6/6-CF (Crack Free)   |
| ■ 4/4                    | ■ 9/10  | ■ 4/4-X (Cross Hatch)   |
| ■ 4/6                    | ■ 9/16  | ■ 4/6-X (Cross Hatch)   |
| ■ 5/8                    | ■ 12/12 | ■ 6/8-X (Cross Hatch)   |
| ■ 6/6                    | ■ 17/12 | ■ 9/10-X (Cross Hatch)  |
| ■ 6/8                    | ■ 20/10 | ■ 12/12-X (Cross Hatch) |
| ■ Other sizes on request |         |                         |

### ABRASAPLATE® CAN BE

- |                                  |                    |
|----------------------------------|--------------------|
| ■ Welded                         | ■ Rolled           |
| ■ Cut (plasma, laser, water jet) | ■ Fixed with studs |



1



2



3



4

1. AbrasaPlate®-CF
2. AbrasaPlate®-X
3. AbrasaPipe®
4. Rolled AbrasaPlate®

# REPAIR AND MAINTENANCE CONSUMABLES

## CONSUMABLES FOR

- MIG Welding
- Open-arc welding
- Stick Welding
- TIG Welding
- Submerged-Arc Welding
- Electro-Slag Strip Cladding
- Plasma-Transferred-Arc (PTA) Welding
- HVOF Thermal Spray
- Arc-Spray

Alloys International stock large quantities of specialised welding and thermal spray consumables, and can provide expert advice on welding and cladding procedures and materials for solving wear problems, as well as for general maintenance and repair.

## MAINTENANCE CONSUMABLES

- Low-hydrogen electrodes
- Alloys for dirty/dissimilar steels
- Cast-iron
- Stainless and Duplex
- Aluminium and Titanium



## HARDFACING CONSUMABLES

- High-alloy iron-based hardfacing
- Chrome carbide
- Tungsten-carbide hardfacing
- Vanadium
- Cobalt and Nickel-based (Stellite®, Hastelloy® equiv.)

## CONSUMABLES TO PROTECT AGAINST

- Abrasion
- Impact
- Corrosion
- High-temperature
- And any combinations of these

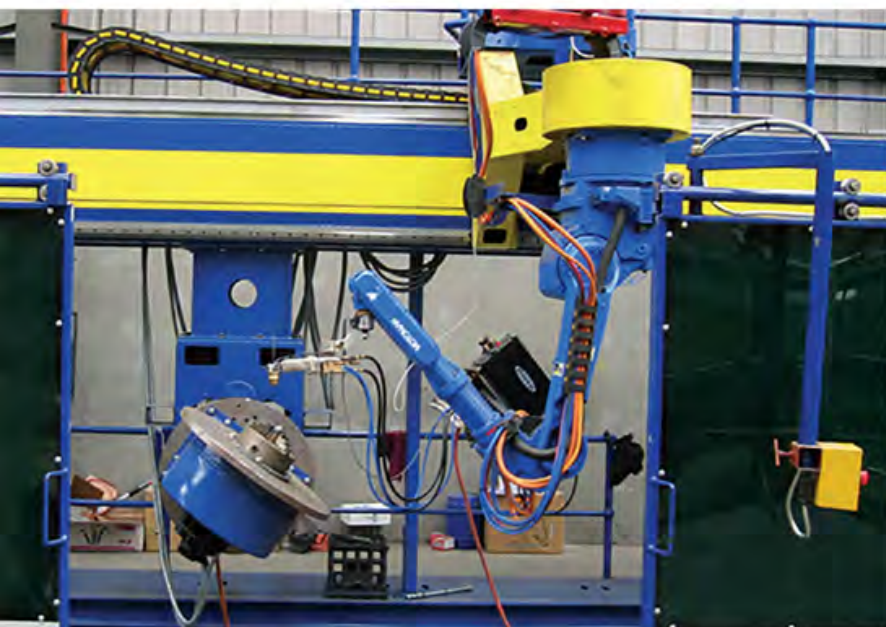


# SPECIALISTS IN SURFACE ENGINEERING TECHNOLOGY



## SUBMERGED ARC WELDING

Alloys supply a full range of competitively priced submerged arc (SAW) fabrication and cladding wires and fluxes. Ask us about our seamless metal cored wires, which will increase welding speed by over 30% compared to standard subarc consumables.



## SURFACING EQUIPMENT

Alloys International sell equipment for surface engineering of various components. Systems can be custom made and turnkey solutions are available. We have supplied many of Australia's leading engineering workshops with surfacing technology.

- Thermal Spray Systems (HVOF, HVOF, Arc Spray, Plasma)
- Plasma Transferred Arc (PTA) Welding
- Electro-Slag Strip Cladding (ESW)
- Bulk-Carbide Deposit Systems
- Submerged-Arc Welding
- Sugar Roll Arcing Machines
- Automated and Manual Manipulation, Control Systems and Robotics

**VICTORIA** (Head Office)  
25 Raymond Rd  
Laverton North VIC 3026  
03 8368 2222

**WESTERN AUSTRALIA**  
5/266 Welshpool Rd  
Welshpool WA 6106  
08 9458 6414

**QUEENSLAND**  
0432 407 666

sales@alloysint.com.au  
www.alloysint.com.au