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**THE WORLD'S MOST
WEAR-RESISTANT FUSED-ALLOY STEEL PLATE**



Fixed Plant Applications

www.alloysteel.net

USED ALL OVER THE WORLD



Arcoplate is a wear resistant fused alloy steel plate manufactured by Alloy Steel International. It is a smooth dense, chromium carbide rich overlay plate manufactured by a patented production process to maximise abrasion resistance and reduce hang up no matter what the operating conditions.

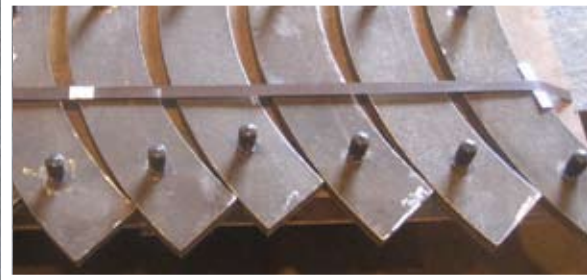
Arcoplate was developed as a reaction to unpredictable wear rates and low friction characteristics associated with both quenched and tempered steel plate and the old technology used to manufacture traditional bulk weld overlay plates

The costs associated with unscheduled maintenance or repair are obvious, but more importantly the hidden costs relating to productivity losses need to be eliminated.

Inappropriate liner wear packages significantly affect fixed plant and equipment in a number of ways these included hang up of product, spillages around plant, increased energy consumption plus increase friction between the liner plate and the product.

Alloy Steel International's full engineering and design service enables Arcoplate to be supplied as a complete wear and anti hang up kit designed to suit a specific application. Arcoplate can be supplied with stud bolts, countersunk or counterbored holes and pressed to shape thereby dramatically reducing maintenance and production costs.





Facts and Benefits of Arcoplate

Alloy Steel International are the manufacturers of *ARCOPLATE*, the world's most wear resistant fused alloy steel plate.

ARCOPLATE is a hardfaced wear plate that gives the following benefits:

MANUFACTURING PROCESS IS FULLY COMPUTERISED:

Uniform hardness (58 – 62Rc)

Uniform microstructure down to the fusion line enabling predictable wear rates.

SMOOTH FINISH:

No weld beads to interrupt material flow thereby eliminating turbulence and accelerated abrasion

NON DIRECTIONAL WEAR PLATE:

Can be fitted without consideration to the direction of the material flow.

ARCOPLATE CAN BE SUPPLIED PRE-POLISHED:

Eliminates hang up / carry back on mobile equipment or fixed plant.

SINGLE PASS ALLOY DEPOSITION (4MM TO 20MM):

No under bead cracking and spalling as experienced with multi pass layers.

THICKNESS RANGE:

Alloy Depth: 4, 6, 8, 10, 12, 16, 18, 20 mm

Base Metal Depth: 7, 9, 11mm

STRESSED RELIEVED DURING MANUFACTURE:

Very low residual stresses and able to take severe impact and bending.

PERFORMANCE:

Laboratory and field tests show that millimetre for millimetre *ARCOPLATE* will outlast quenched & tempered wear plate by a factor of up to 5 to 1 and conventional welded overlay plate by 2 to 1.

