



TRITEN PLATE RANGES

The Triten overlay plate range has been developed to combat abrasion, erosion and impact at either ambient or elevated temperatures. The range comprises different hardfacing chromium or tungsten carbide alloys deposited onto a carbon steel or alloy substrate. More information on the detailed structure of the product range and its metallurgical design can be obtained from Triten at the addresses shown on the "Contact".

The recommended method of cutting overlay plate is by plasma-arc, as the high chromium and carbon contents of the hardfacing overlay preclude the use of oxy-fuel and most mechanical means. Water jet cutting is also an acceptable option. The special properties of the very hard overlay alloys and a ductile substrate allows these materials to be formed and fabricated into complex shapes, including concave or convex curves.

Wear resistant liners may be installed into structures using a variety of methods including plug welding, stud welding and bolting. Fabrications can be produced from overlay plate by conventional welding of the carbon steel substrate.

It is strongly recommended that all joints exposed to wear are protected by capping with a hardfacing alloy compatible to the overlay using the Triten Armalloy range of tubular hardfacing electrodes. Premature wear may well be experienced if this practice is not adhered to. Please contact Triten for more details of these products.