

Argweld® WELD BACKING TAPE™ and WELD PURGE TAPE™



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Extending the **Argweld®** range of purging products, Huntingdon Fusion Techniques HFT® are providing an economical non metallic weld backing system for the backing of welds, where purging is required but not easily achieved, for quality and for supporting weld roots to improve weld bead profiles.

Typically for the welding of thin wall stainless steel sheet and vessels from one side only, the backing tape can be attached to the backside of the weld, to support the weld pool, keep the argon from the weld torch surrounding the weld pool and eliminate the need to back purge, while giving a consistent high quality underbead profile.

For purging large vessels the tremendous savings of purge gas and waiting time, pays for the use of the backing tape many times over.

The high temperature heat resistant adhesive aluminium backing foil is 75 mm (3 inch) wide and in the centre is a heat resistant band of woven glass fibre cloth 25 mm (1") wide.

The glass fibre cloth has a weight of 1000 grams per square metre.

The 80 Amps Tape comes in rolls of 25 m (80") length and the 160 and 240 Amps tape rolls are 12.5 m (40") long.

With the thickest cloth Argweld® **Backing Tape™** will support single pass welding at weld currents up to 240 Amps, without change to the chemistry or metallurgy of the weld.

Features:

- Speeds up production
- Provides back purge facility
- Ideal for stainless steel and alloyed metals
- Saves cleaning costs
- Massive purge gas savings
- Eliminates weld defects
- Suitable for sheet, plate, pipes, vessels
- For horizontal or vertical welding
- No gouging or grinding
- No re-welding or rework

Argweld® Weld Trailing Shields®

The Argweld® **Weld Trailing Shields®** are designed for high quality gas coverage of titanium, duplexes and other reactive metals while welding.

They can be supported to fit any make of TIG or plasma welding torch for manual and automatic welding on pipes, vessels or flat plate.

By using an Argweld® **Weld Trailing Shield®**, welds will be left bright and shiny and eliminate discolouration, oxidation, porosity, etc.. Argweld® **Weld Trailing Shields®** will reduce gas consumption, save re-work and eliminate wasted material costs due to oxidation.

The trailing shields are manufactured to suit each application, with versions for flat plate/sheet, for any diameter of tube, pipe or vessel and radiused for welding on the outside or the inside of vessels.



Argweld® PurgElite® Inflatable Tube and Pipe Purging Systems

The Argweld® **PurgElite® Inflatable Tube and Pipe Purging Systems** are a twin dam system for creating a purge area in all pipe and fitting sizes of 25 - 600 mm (1 - 24") diameter.

The systems isolate a 10" length either side of the weld and allow quality, fast purging of the interspace and easy with drawal afterwards.



PurgEye® 100 IP65 Dustproof and Waterproof Weld Purge Monitor®

Before welding can begin using an inert gas, it is essential to know that the oxygen content at the weld area has been reduced to a satisfactory low level.

The **PurgEye® 100 IP65 Weld Purge Monitor®** is specifically designed to measure oxygen content of below 0.1% with a high degree of accuracy. An oxygen content of below 1% is normally considered suitable to ensure that there is no oxidation of the weld, although there may be some exceptions to this when welding materials such as titanium and zirconium.



Argweld® Water Soluble Weld Purge Film™

The use of water soluble purge film for manufacture of purging dams is well proven and the Argweld® **Water Soluble Weld Purge Film™** gives superior results over all other water soluble products. It can be used for stainless, duplex and chrome-moly steels as well as titanium.

The Argweld® **Water Soluble Weld Purge Film™** makes dams which produce an impenetrable purge barrier but which can easily be washed away when hydrostatically testing the pipe or just by normal wash out.

It dissolves completely without leaving any fibres to clog up filters or other sensitive parts in a system and it is strong in all directions so that it can maintain a good gas barrier throughout the purging process.

The film and adhesive are completely biodegradable and all packaging materials are recyclable.



HUNTINGDON FUSION TECHNIQUES ■ HFT

Our Product Range:

Argweld® Inflatable Pipe Weld Purge Systems
Argweld® PurgEye® Weld Purge Monitors® (100 to 1000)
Argweld® Water Soluble Weld Purge Film and Weld Purge Super Adhesive™
Argweld® Weld Trailing Shields®
Argweld® Weld Backing Tape™ & Weld Purge Tape™
Argweld® Flexible Welding Enclosures®
Argweld® Weld Purging Plugs™ & Orbital Welding Plugs
Techweld® MultiStrike® Tungsten Electrodes
HFT Pipestoppers® Pipe Plugs & Stoppers, Nylon, Aluminium & Steel
HFT Pipestoppers® Inflatable Stoppers