

Weld Backing Tape®

Frequently Asked Questions

1. Does the Argweld® Backing Tape® support the weld?

Yes, Argweld® **Backing Tape®** will support the weld pool for a single-sided weld, as long as the weld current constraints for the tape are followed.

2. What effect will the adhesive have on the weld?

The adhesive will not contaminate the weld. It is easily removed from the metal at the side of the weld after the material has had a chance to cool.

3. What amperage can the Argweld® Backing Tape® withstand?

The light duty grade is recommended for welding currents up to 80 Amps. The medium duty grade is suitable for welding currents up to 160 Amps. The heavy duty grade is for welding currents up to 240 Amps. The super heavy duty grade is suitable for welding up to 600 Amps.

4. Can Argweld® Backing Tape® be reused?

After the Argweld® **Weld Backing Tape®** has been used one time, the properties of the fibre glass band will be degraded to prevent further use and in addition, the adhesive may not work twice.

5. What is the length of a roll of Argweld® Backing Tape®?

The light duty material has 25 metres (82 ft) on the roll. This is sufficient for welding a tank/vessel of 8 metres (26 ft) diameter, or a number of smaller ones. The medium, the heavy and super heavy duty rolls have 12.5 metres (41 ft).

6. What applications is the Argweld® Backing Tape® designed for?

Sheet to sheet, plate to plate, pressure vessels, large diameter pipes and tanks, longitudinal and circumferential seams, to support the weld pool.

Or anywhere that a back purge is desired but not possible or too expensive with gas.

Or for any weld that requires extensive post weld grinding and polishing, so that post weld cleaning is reduced almost to zero.

Plus any welds that have to be welded from both sides for a number of reasons. Argweld® **Backing Tape®** permits single sided welding in some cases and saves large amounts of time and money.

7. What metals can be welded with Argweld® Backing Tape®?

All weldable metals including copper nickel, carbon, stainless, duplex steels, alloy steels, nickel and cobalt alloys and titanium.

8. What welding processes can I use with Argweld® Backing Tape®?

TIG/GTAW, FCAW and MIG/GMAW. The constraints are the current. 80 amps for the lightweight grade, 160 amps for the medium grade, 240 Amps for the heavy duty grade and 600 Amps for the extra heavy duty grade.

9. What advantages does Argweld® Backing Tape® have over backing bars?

There is a major practical advantage by not having to use expensive and difficult to use backing bars. Backing bars need to be manipulated and held in place with complicated and expensive fixturing.

10. Are there any fumes given off when welding onto Argweld® Backing Tape®?

There are no noxious nor toxic fumes given off when welding onto Argweld® Backing Tape®.

11. What is the difference between Argweld® Backing Tape® and backing tiles?

Weld Backing Tape® is the more economical solution for welding currents up to 600 amps.

For welding currents above 600 amps, it is better to use the more expensive ceramic backing tile alternative.

12. What is the difference between Ceramic tape and Argweld® Backing Tape®?

Tig/GTAW welding arcs can reach temperatures of 6000°C for which Argweld® Backing Tape® is suitable. Ceramic tape however does not perform well at high temperatures and will crumble, thus letting air into the weld zone and causing oxidation that has to be removed.