

WELDING DIRECTION



PLASTIPACK LIMITEDTM

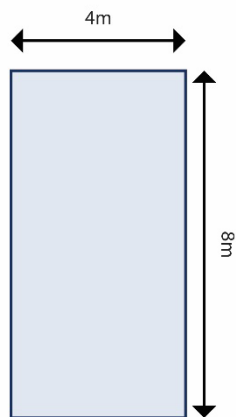
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BUBBLE DIRECTION

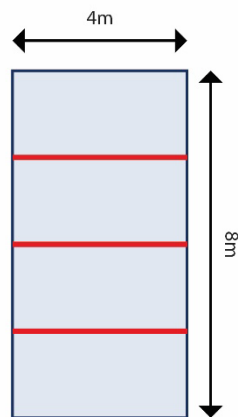
Many companies use different layouts to produce the end product / pool cover. Selecting a welding method is largely the preference of our customers and dependant on welding method. However, Plastipack's recommendation is to fabricate the material with a weld along its length.

Reasons to weld the length on the material:

- Plastipack manufacture materials in widths of 2m and 2.5m to provide the maximum coverage of the pool with the least number of welds.
- As shown below, the rows of bubbles are staggered to provide a good lay flat. When welding along the width, the material fights the reel system, making it harder to remove from the pool.
- When welding lengthways, the bubble rows are in line, making it easier to wind onto the reel system.
- Each weld represents a possible point of failure. By minimising the number of welds and total length of welds, the risk of failure is reduced.
- Welding produces tension within the material. As the welders move across the material, by reducing the number of welds you are more likely to produce a cover with better lay flat.
- The LDPE/LLDPE polymer is highly linear and, during manufacture, the polymer strings align with the direction of the extrusion line. The orientation of the polymer string makes the material stronger in the extrusion direction. Therefore, material welded down its length will have a higher tensile resistance to being pulled on and off the reel system than a cover with welds across its width.

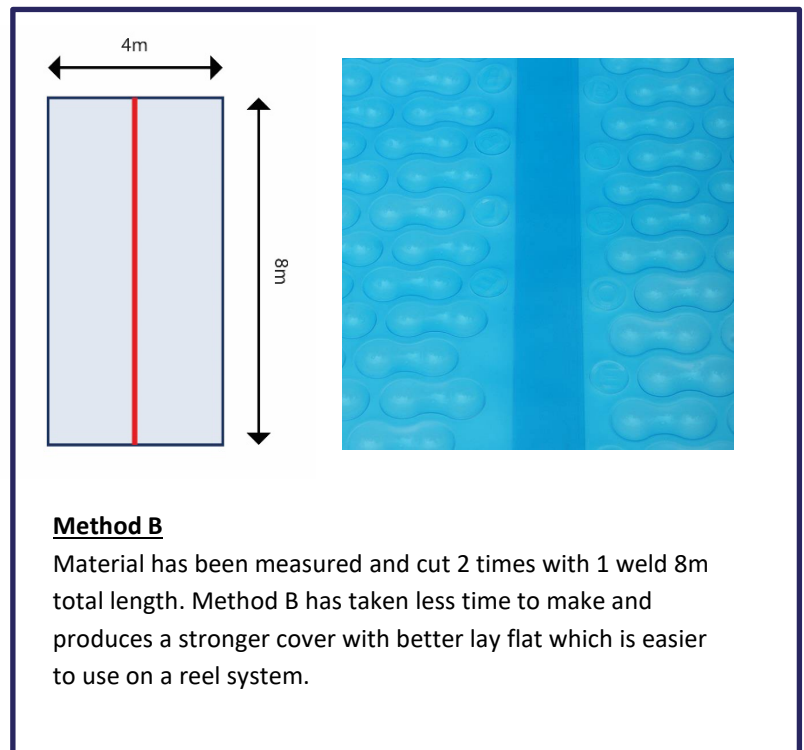


8mx4m pool has a surface area of 32m²



Method A

Material has been measured and cut 7 times with 3 welds 12m total length



Method B

Material has been measured and cut 2 times with 1 weld 8m total length. Method B has taken less time to make and produces a stronger cover with better lay flat which is easier to use on a reel system.



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Manufactures of Energy and Resource Saving Products

Manufacturer

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