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# Polyester Encapsulation Using An Edge Welder

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## Encapsulation

*Encapsulation is a simple, low-cost, treatment to support brittle materials without the application of moisture.*

All measurements will be taken from the piece to be encapsulated. No rulers are necessary.

Time: Less than 5 min. per piece when batched.

ξ Tools Needed: board shear, heat welder.

- Turn on welder.
- Cut Mylar approximately 8mm larger than the piece all the way around.
- Jog up the edges of the Mylar to flush and place in the mouth of the welder, keeping it aligned, and gently push against the backstop. Make sure the Mylar has not separated so the top piece is over the backstop. If this happens, the Mylar melts and smoke will come out the back of the machine.
- Lower the lever toward you. When the green light goes off, raise the lever and remove the Mylar.
- If needed, trim an adjoining side to square and flush. Repeat welding on the adjoining side to create an "L" weld.
- Place the piece in the Mylar and trim the edges so there is a 3mm border between the weld and the piece.
- Work out any air in the envelope and weld the final two edges.