



Certified Welding Technician (CWT) Program / PVC Materials List

It is the responsibility of the company requesting certification and/or the testing candidates to provide the equipment and geomembrane materials used for the hands-on test.

The following is a list of specific PVC materials with required mil thickness, and size for **each** test candidate. A minimum of one set per test candidate is required. Additional pieces of each material is strongly suggested as a test candidate is allowed to weld 2 seams of each material prior to submitting one. Substitutions for geomembrane types / mil thicknesses are allowed only upon written approval from IAGI prior to test date:

Welding Hands-on Test (Wedge welding / Hot air welding):

- 2 pieces of **30 mil non-reinforced PVC** geomembrane, 61 cm (24 inches) wide X roll width.
- 2 pieces of **___ mil non-reinforced PVC** geomembrane not a 30 mil, 61 cm (24 inch) wide X roll width.

Patching Hands-on Test (Hot Air Welding):

- 1 piece of **___ mil non-reinforced PVC** geomembrane, 61 cm (24 inch) wide X roll width.
- 1 piece of **___ mil non-reinforced PVC** geomembrane not a 30 mil, 61 cm (24 inch) wide X roll width.

Equipment Needed:

- Wedge welder (if applicable)
- Any tools needed for adjusting and/or fixing the welders in the event of machine failure
- Hook blade or similar for cutting geomembrane liners
- Field Tensiometer (one unit for every 4 test candidates is recommended)
- Test coupon cutter (Bone-Cutter)
- Writing implement for marking geomembrane samples

If the material is pre-cut the testing will go faster and more orderly.