



**Bonded
Logic**
INC.



Water Heater Jacket Installation Instructions

Included

- (1) 72" x 48" UltraTouch™ Natural Cotton Radiant Barrier
- (1) 2" x 30" Insul-Tape Roll

Tools Required

Marker, Scissors (or Utility Knife), & Tape Measure

General Information

Bonded Logic UltraTouch Natural Cotton Radiant Barrier is a light-weight, foil-faced, fire-retardant blanket insulation that may be used in a variety of applications, including as a water heater jacket with an R-value of 4.1. Made from durable natural fibers, UltraTouch contains no fiberglass and does not itch or cause skin irritation, making it easy to install. The pure aluminum barrier reflects radiant heat, with the fibers used to manufacture UltraTouch treated with an EPA registered anti-microbial agent that offers protection from mold, mildew, fungi, as well as fire resistance.

Installation

1. Wrap the water heater with the jacket oriented horizontally, and the top of the jacket aligned with the top of the tank. The foil side should be facing out and the cotton side should be facing the heater. If an area of the water-heater is to be left uncovered, it should be the lower portion of the tank. (*Indeed, with oil and gas fired tanks, leave the bottom foot or so of the tank uncovered.*) Mark the jacket where the roll begins to overlap. Place on floor and cut off the excess portion.
2. If wrapping a gas or oil water heater, you do not want to cover the top of the tank, so skip to step 5.
3. If wrapping an electric water heater, from the excess portion cut two semi-circular pieces so the diameter is equal to the diameter of the tank. These two pieces will be used to cover the top of your water-heater.
4. Place the two semi-circular halves you have cut out on the top of the tank, taping the seams.
5. Wrap the water heater jacket around the water heater again. Holes or flaps should be cut out wherever the jacket will cover access panels, valves, vents, or the burner. The holes or flaps should be approximately 2" larger than needed. Tape the jacket first to the top, and then along the vertical seam.
6. Trim additionally as needed.
7. Tape the water heater jacket edges to the tank.



This image is of an installer taping the vertical seam of an electric tank. Note that the jacket goes all the way to the floor, which is not advised on oil or gas water heaters.

Important Cautions

Do not wrap a water tank that contains a label indicating it should not be wrapped. Do not install insulation on the top of gas or oil water heaters.

Be sure that all access plates, the venting hood, pressure relief valve, and important labels on the exterior of the tank remain visible and accessible by cutting holes or flaps in the water heater insulation jacket to ensure these components/labels can be accessed. Because oil and gas water heaters need a means for air to reach the burner (generally located at the bottom of the tank), do not install the jacket around the bottom and sometimes lower sides of the water tank in a way that would restrict the ability of air to reach the burner area.