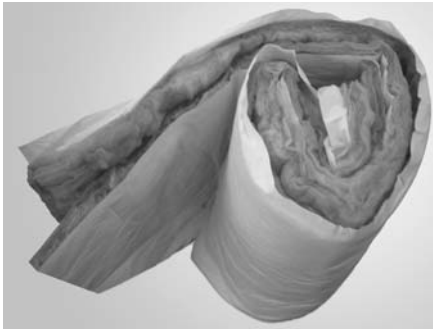




INNOVATIONS FOR LIVING®

# Water Heater Blanket Fiberglass Insulation

## Product Data Sheet



### Description

Owens Corning™ fiberglass water heater blankets are pre-cut blankets designed to fit standard gas or electric water heaters up to 60 gallons. The blankets are lightweight and flexible made of inorganic glass fibers bonded with a thermosetting resin and faced with a white flexible plastic film.

### Application

Owens Corning™ water heater blankets are specifically designed to improve the efficiency of water heaters. Adding an Owens Corning™ fiberglass water heater blanket can significantly reduce standby heat losses which translate into reduced water heating costs.<sup>1</sup>

### Features and Benefits

- Retrofit design and product flexibility allow for ease of installation
- Energy savings through improved R-value. Save 4-9% on water heating costs<sup>1</sup>
- Product supplied with tape to secure blanket in place

### Availability

Dimensions: Width x Length	Thickness	R-Value
48" x 75"	2.75"	R-10

- Non-corrosive—will not accelerate corrosion on copper, aluminum, or steel
- Fungi and bacteria mold resistant<sup>2</sup>

### Performance Properties

Owens Corning™ R-10 Water Heater Blankets are tested for thermal performance per ASTM C177 and ASTM C1338 and help reduce energy loss year round.

### Uses

- For gas or electric water heaters

### Note for all Water Heaters:

Before applying the water heater blanket you should consult the water heater manufacturer's instructions and warranty related to water heater blankets. These instructions can include:

1. Not covering controls, access areas, shut-off devices, temperature and pressure relief valves, etc.
2. Not covering the instruction manual.
3. Not blocking air passages required for combustion or draft; this can result in unsafe operation of the water heater.
4. Not covering warning or operating labels on the water heater or obtaining new labels from the water heater manufacturer to place on the water heater blanket.

Failure to follow the water heater manufacturer's instructions related to water heater blankets could void your water heater warranty and create an unsafe situation.

### Note for Gas Water Heaters:

Make sure that the water heater blanket does not block or obstruct venting across the top of the heater and does not obstruct the air flow into the burner area.

### Note for Electric Water Heaters:

Care must be taken to trim and remove insulation for areas covering heating element controls, coils around sides of heat pump, and the power connection. Failure to do so could cause the control wire to overheat and could cause deterioration of the insulation on the wires leading to electrical shock.

### Installation Instructions

#### Tools

- Scissors/Knife
- Pencil/Pen/Marker

#### Installation

1. Clean top of water heater with detergent and warm water. Make sure water heater is dry before attaching water heater blanket.

Note: Solvents should never be used as this could result in a fire.



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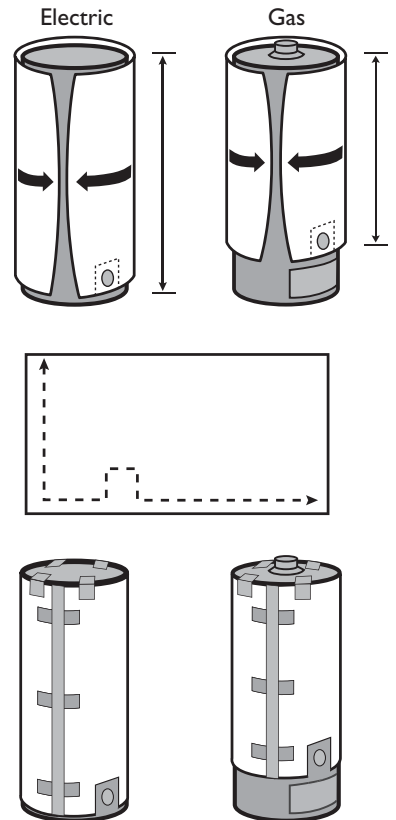
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- Remove the water heater blanket from package. With white vinyl side positioned to face you, wrap the PINK® insulation side around the water heater. Mark the vinyl at the points the insulation overlaps. Measure the water heater's height and mark on the vinyl. Note: for electric water heaters the height measurement should span from top to bottom of the heater. Also, make a mark where the warning and operating instructions are on the white vinyl. Additionally, depending upon your water heater, you may also need to mark and make cut outs for access to controls, access areas, shut-off devices, temperature and pressure relief valves, etc.
- Once all areas, length, and circumference are marked use a knife or scissors to cut the jacket with the vinyl face up along the line marked for overlaps as shown in Figure 1. Cut out insulation over burner control area on gas unit and side seam over thermostat on electric unit. For the control panel area and warnings/operating instruction areas, one recommendation is to make an X-shaped cut from corner to corner in the water heater blanket over the service access covers and warning and operation labels. Label consumer information and access panels with a marker. Then leave the flaps of the X closed to keep insulated; the X and labeling will allow for easy access to these items.

Alternatively these flaps can be taped back to hold open and ensure location and visibility.

- Wrap water heater blanket around the water heater and cut three 6" pieces of tape. Place as shown in Figure 1. Then cut one 3.5" x 48" piece of tape over the side seam of the water heater blanket.
- Cut remaining tape into pieces approximately 6" long and use to tape sides to top of water heater.

Figure 1



### Notes

- According to the U.S. Department of Energy, unless your water heater's storage tank already has a high R-value of insulation (at least R-24), adding insulation to it can reduce standby heat losses by 25%–45%. This will save you around 4%–9% in water heating costs. ([http://www.energysavers.gov/your\\_home/water\\_heating/index.cfm/mytopic=13070](http://www.energysavers.gov/your_home/water_heating/index.cfm/mytopic=13070))
- Fiber glass and Mold: As manufactured, fiber glass insulation is resistant to mold growth. However, mold growth can occur on building materials, including insulation, when it becomes contaminated with organic material and when water is present. To avoid mold growth on fiber glass insulation, remove any water that has accumulated and correct or repair the source of that water as soon as possible. Insulation that has become wet should be inspected for evidence of residual moisture and contamination, and any insulation.



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**OWENS CORNING INSULATING SYSTEMS, LLC**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO, USA 43659

**1-800-GET-PINK®**

**www.owenscorning.com**

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