

PolarGuard™



Planks

APPLICATION INSTRUCTIONS

Panel Sizes:

3/4" thick
(4' x 8')

1" thick (2" x 4',
2' x 8' or 4' x 8')

2" thick
(2' x 8')

- Permanent R-value over the life of your home
- Non-toxic materials, safe for the environment, too. No CFC's or HCFC's.
- The most trusted insulation in Europe and around the world.
- Easy to install
- Lower cost per R-Value
- PolarGuard products are the best rigid insulation panels you can buy for your home. You now know you need to supplement your fiberglass batt insulation with a rigid foam, so compare PolarGuard to the other products. PolarGuard will do a better job at insulating your home at a lower cost.

Fact: Insulating with fiberglass batts alone is not enough. Heating and cooling energy will still be lost year round through your wood studs, which can account for as much as 20% of your wall area, and through the seams in your plywood sheathing. You can fully eliminate these costly gaps by applying a layer of PolarGuard insulation over your entire wall.

PolarGuard for Exterior / Interior Walls

A layer of PolarGuard Ultra-Fused Insulation under your siding will dramatically increase the thermal efficiency of your home. The PolarGuard insulation blanket will help eliminate drafts around windows, and doors, in addition to insulating wall studs that conduct cold directly to the interior of your home. PolarGuard is not a vapor barrier, so your wall will breathe out moisture, while keeping your home cooler in the summer and warmer in the winter.

Tools needed: Snap off blade knife, nails, hammer, or pneumatic nailer, safety goggles.

Exterior Application Over Plywood

PolarGuard is installed in either a horizontal or vertical pattern to provide a tight joint to reduce air infiltration. Most exterior finishes may be used over PolarGuard foam providing there is sufficient attachment through the insulation to adequately fasten to the structural substrate and prevent detachment prior to the installation of the exterior siding. Follow siding manufacturer application and specification instructions. PolarGuard is not intended to be used as a structural sheathing material.

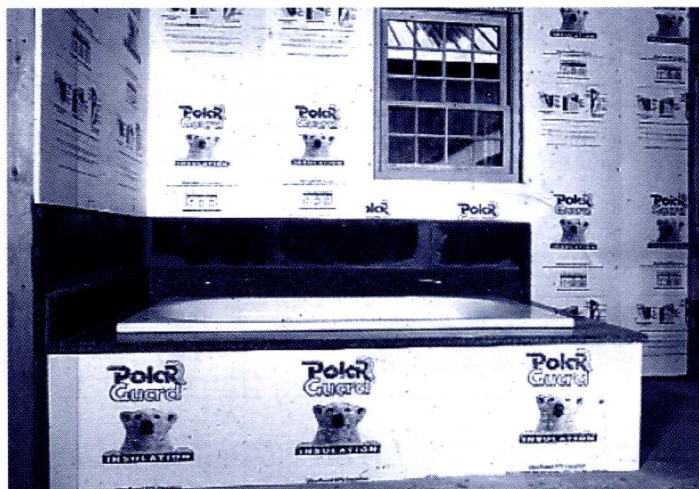
Using large headed fasteners, such as crown staples or roofing nails, attach the PolarGuard to the wall studs or plywood sheathing making sure to penetrate the studs or plywood at least 3/4". Proceed with the final exterior siding layer as soon as possible to protect PolarGuard from damage due to extended exposure to sunlight and extreme conditions.



Interior Application Over Wall Studs

PolarGuard is fastened directly to the wall studs using large headed fasteners that penetrate the stud at least 3/4". Proceed with the application of an interior vapor barrier sheet and then 1/2" gypsum board or equivalent to complete your energy efficient wall system. Be sure to use fasteners with sufficient length during the gypsum application to penetrate through the PolarGuard and into the stud at least 3/4".

Note: PolarGuard is used here on interior walls and around the bathtub to increase it's ability to retain a warm water temperature.



Exterior Foundation

A thick layer of PolarGuard Ultra-Fused Insulation will dramatically reduce heating demands in cold climates and increase year round comfort in all climates. Heat loss through uninsulated foundation walls may represent as much as 30% of total heat loss in an otherwise well insulated home. Insulating with PolarGuard is a simple cost-effective way to protect the foundation of your new home or addition.

Before backfilling, be sure to apply a waterproof coating to the concrete. After the waterproofing has dried, install 2" thick PolarGuard Ultra-Fused insulation to the exterior of all foundation walls.

Back-fill carefully to minimize damage to the insulation. A protective coating should be applied to exposed insulation above the groundline.



Trim foam with a snap-off blade knife to desired height and width.



Secure insulation with small spots of panel & foam adhesive.



Adhere insulation to clean surfaces, edges tightly butted.



Metal flashing should be installed over foam where it reaches the sill plate.

Always use water based adhesives on all PolarGuard Insulation.

PolarGuard Products are made in New England. We understand the demands of climate extremes and have designed our products to be the most cost-effective insulation products on the market.

Caution: Combustible

Like many construction materials this product is Combustible. It should not be exposed to flame of other ignition sources. This product should be installed in accordance with applicable building codes.

