

**Thermostat® Radiant Barrier Roof Sheathing**What is the innovation and why is it innovative?

Thermostat® Radiant Barrier Roof Sheathing by Georgia-Pacific features a layer of highly reflective aluminum foil that adds an energy-efficient dimension by reflecting up to 97 percent of radiant heat from entering the home. The product helps lower cooling energy consumption by up to 17 percent and is recognized by the Environmental Protection Agency as an ENERGY STAR® qualified product.

Thermostat sheathing is prescriptive to many green building programs, is available in Plytanium® Plywood or Blue Ribbon® oriented strand board (OSB) substrates and is ideal for use in hot climates.

Can lower attic temperatures by up to 30°F

What is changes or replaced?

Thermostat Radiant Barrier Roof Sheathing by Georgia-Pacific replaces traditional OSB or plywood roof sheathing, and has an aluminum foil/kraft paper laminate layer on the face. The radiant barrier foil surface reflects the heat received, as does a mirror, thus reducing radiant heat transfer into the attic and living space. Thermostat sheathing has It is installed exactly like traditional roof sheathings, with the foil side facing the attic, and can lower attic temperatures by up to 30°F.

Where and when it originated, has been used or is expected to be used in the future?

Georgia-Pacific began manufacturing plywood Thermostat Radiant Barrier Roof Sheathing in 2002, and the OSB Thermostat® Radiant Barrier Roof Sheathing in 2007. The product is used primarily by residential builders, but can be found in some light commercial projects as well. Thermostat sheathing has found most success in warm weather areas like Florida, Texas and Southern California, but can also be effective in areas where cooling energy consumption can be affected by hot summer temperatures.

