



SolarPly™

You'll Stay Cooler and You'll Save Money.

A radiant barrier sheathing that reflects the sun's radiant energy.

How SolarPly™ works:

When the sun heats a roof, it is primarily the sun's radiant energy that makes the roof hot. A large portion of this heat travels by conduction through the roofing materials to the attic side of the roof. The hot roof material then radiates its gained heat energy into the cooler attic. SolarPly™ reduces up to 97% of the radiant heat transfer from the roof to the attic. This can decrease attic temperatures up to 30 degrees.

* Energy Efficiency and Renewable Energy Network (EREN)- U.S. Department of Energy

* The 97% reflectivity was derived from the aluminum foil laminate utilizing an emissometer in accordance with ASTM E 408- Method B.

How SolarPly™ saves you money:

With lower attic temperatures, ceiling heat flow is reduced up to 63%, duct conduction loss is reduced by 30% and your A/C system's workload is reduced up to 20%. This results in an overall cooling load reduction of 16% plus in your home, saving you money!

*Radiant Barrier Study for Houston, TX (by M.A. Medina, Ph.D.) Assistant Professor Mechanical and Industrial Engineering Department- Texas A & M University, Kingsville, TX July 1993

Will SolarPly™ effect shingle warranties?

No! According to the Florida Solar Energy Center, peak shingle temperatures are only increased 2-5 degrees with the use of a radiant barrier roof sheathing. A 2-5 degree increase in peak temperatures that normally reach 160-190 degrees has no adverse affect, therefore has no effect on a shingle manufacture's warranty.

*Florida Solar Energy Center-EN-15-87

Important SolarPly™ Handling and Installation:

- SolarPly™ installs like conventional rated roof sheathing
- Protect SolarPly™ from moisture prior to, during, and after installation
- Keep foil side clean prior to installation
- Always check for uniform rafter alignment
- Allow SolarPly™ to adjust to atmospheric conditions before shingle installation
- Panel spacing on ends and edges must be 1/8"
- Foil side with SolarPly™ logo must face down or inward toward attic
- Leave 3/4" air space between SolarPly™ and insulation
- Provide adequate roof ventilation according to the building codes in your area