

EnergyCap™ Brochure

Updated: 5/11



*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*

www.gaf.com



ENERGYCAP™

ENERGY-SAVING CAP SHEETS

*Quality You Can
Trust...From
North America's
Largest Roofing
Manufacturer!™*



**“The safety of multi-ply
roofing systems...with
ENERGY STAR® Savings!”**



“Now, Get The Safety Of RUBEROID® MB And GAFGLAS® BUR Multi-ply Roofing Systems With ENERGY STAR® Savings”



Think Green... Save Energy

Energy costs are skyrocketing...

and demand is at an all-time high. Wasting energy is not just irresponsible—it’s bad business!

Until now, property owners who wanted an energy-saving roof were limited to:

- Installing a single-ply (TPO or PVC) roof *or...*
- Adding a roof coating to their asphaltic system, often at considerable additional expense.

But now, there’s EnergyCap™ brilliant white cap sheets!

They combine the proven performance of GAF’s commercial asphaltic cap sheets with a factory-applied layer of TOPCOAT® EnergyCote™ roof coating—in a **single** roof membrane.

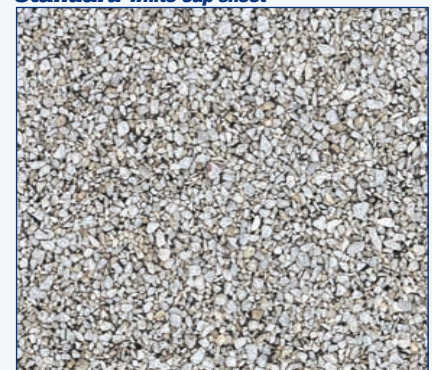
Multi-ply systems using EnergyCap™ cap sheets are the safer solution for meeting ENERGY STAR® or Title 24 requirements—and are less expensive to install than other “white” roofing options.

EnergyCap™ “brilliant white” cap sheets have nearly 3 times the reflectivity of standard “white” cap sheets!

EnergyCap™ brilliant white cap sheet

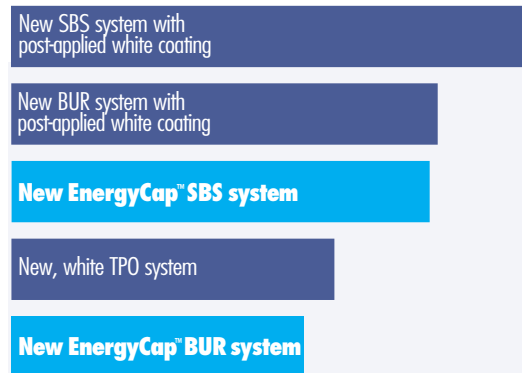


Standard white cap sheet



EnergyCap™ Systems are Up To 45% Less Costly To Install Than Other ENERGY STAR® Qualified Roofing Systems...

Typical Installed Cost



EnergyCap™ systems are typically less expensive to install than other ENERGY STAR® qualified roofing solutions such as PVC or TPO... and you get the proven safety and reliability of multi-ply roofing!

* Installed cost estimates are based on 1,000 square systems in California. Modified bitumen and BUR systems include insulation, 2 plies of GAFGLAS® Ply 4 ply sheets, and cap sheet (as compared to same systems with Topcoat® MB Plus coating applied post-membrane application). TPO mechanically-attached insulated systems were compared to EnergyCap™ BUR.

“EnergyCap™ Systems Reduce Your Ongoing Energy Costs, Year After Year...”

Total Estimated Energy Savings Of A 500 Square EnergyCap™ Roof Over 15 Years*

(Based On Data From Oak Ridge National Laboratory, U.S. Dept. Of Energy)



EnergyCap™ brilliant-white cap sheets exceed the minimum reflectivity requirements for ENERGY STAR®—as well as the reflectivity and emissivity of Title 24—to save you money (visit www.gaf.com and calculate how much *you* can save!).

* Energy savings estimates are based on energy and fuel cost data provided by ORNL web site at the time of print and does not take into consideration energy cost fluctuations over time. Assumptions used in the savings calculations include: R-value of 19.0; infrared emittance of 84%; COP of 2; solar reflectance of 80%; average heating system efficiency. The results are examples—type of building, geographical locations, your exact energy/fuel costs as well as other factors must be considered for your specific situation.

“EnergyCap™ Systems Save Labor And Reduce Installation Hassles For Property Owners!”

Saves Labor!

- **Pre-Applied Brilliant White Coating...**
Premium TOPCOAT® EnergyCote™ white elastomeric coating saves time and labor (compared to applying the coating **after** the membrane has been installed).
- **Reduces Labor Cost...**
by over 25% when compared to site-applied coatings.

Reduces Installation Hassles For Property Owners!

- **NO 90-Day Waiting Period...** to complete the project.
- **NO Worries...** about damage caused by coating overspray.
- **NO Need...** for multiple coats.
- **NO Staging...** of solvent-based coatings.
- **NO Long Wait...** for water-based coatings to dry.
- **NO Need...** to worry about proper coating thickness.

Contractor Friendly!

- **Accurate Installation, Less Waste...** Factory-installed coating eliminates the need to measure and gauge coating application.
- **Fewer Return Trips...** If touch-up is needed TOPCOAT® EnergyCote™ coating can be applied immediately.
- **No Additional Staging Of Materials...** after roof is installed.
- **Versatile...** Available in BUR for hot-mopped applications; SBS for hot-mopped, cold-applied, or heat-welded applications; or APP for torch applications.
- **No Waiting...** Roof top maintenance traffic can begin immediately after EnergyCap™ membrane is installed.
- **Less Clean Up...** No tracking of wet coating over the membrane or property.



ENERGYCAP™
ENERGY-SAVING CAP SHEETS

“EnergyCap™ The Green Roof That’s White”



Now With Six Great Choices! Product Specifications (nom.)

1- EnergyCap™ BUR

Roll length 32.6 ft (9.9 m)
Roll width 39.375 in (1.0 m)
Roll size 1 sq. (106.9 gross ft² or 9.9 m²)
Meets ASTM D3909, ASTM E903, ASTM E408, ASTM C1549
Reflectivity: 80%* Emissivity: 0.90* SRI: 100*

2- EnergyCap™ SBS 30 FR (glass mat):

Roll length 33.7 ft (10.27 m)
Roll width 39.375 in (1.0 m)
Roll size 1 sq. (110.5 gross ft² or 10.27 m²)
Meets ASTM D6163, Type 1, Grade G, ASTM E903,
ASTM E408, ASTM C1549
Reflectivity: 80%* Emissivity: 0.84* SRI: 99*

3- EnergyCap™ Torch Plus FR (polyester mat):

Roll length 32.4 ft (10.3 m)
Roll width 39.5 in (1.0 m)
Roll size 1 sq. (106.7 gross ft² or 9.9 m²)
Meets ASTM D6222, Type 2, Grade G, ASTM E903,
ASTM E408, ASTM C1549
Reflectivity: 80%* Emissivity: 0.84* SRI: 99*

4- EnergyCap™ Torch Granule FR (polyester mat):

Roll length 32.4 ft (9.9 m)
Roll width 39.625 in (1.0 m)
Roll size 1 sq. (106.9 gross ft² or 9.9 m²)
Meets ASTM D6222, Type 1, Grade G, ASTM E903,
ASTM E408, ASTM C1549
Reflectivity: 84%* Emissivity: 0.81* SRI: 104*

5- EnergyCap™ SBS Heat-Weld™ Plus FR (polyester mat):

Roll length 32.75 ft (9.98 m)
Roll width 39.625 in (1.0 m)
Roll size 1 sq. (108.1 gross ft² or 10.04 m²)
Meets ASTM D6164, Type 1 & 2 Grade G, ASTM E903,
ASTM E408, ASTM C1549
Reflectivity: 75%* Emissivity: 0.82* SRI: 91*

6- EnergyCap™ Mop FR (polyester mat):

Roll length 32.56 ft (9.92 m)
Roll width 39.625 in (1.0 m)
Roll size 1 sq. (107.52 gross ft² or 9.99 m²)
Meets ASTM D6164, Type 2 Grade G, ASTM E903,
ASTM E408, ASTM C1549
Reflectivity: 73%* Emissivity: 0.83* SRI: 89*

Applicable Standards

- UL Classified for use in the construction of Class A, B, or C roofs
- ENERGY STAR® Compliant
- Approved for use in LEED® certified projects
- State of Florida Approved**
- Miami Dade County Approved**
- FM Approved • Title 24 compliant
- CRRC Listed • ICC ESR-1274

*Values reported are initial values.
**See specific product data sheets.

An Important Note about LEED and Emissivity Values...

Different test methods may yield different value results. In accordance with LEED® required testing methods, EnergyCap™ 30 FR and Torch Granule Plus FR achieved an emissivity value of .90 when tested to ASTM E408. The above results were reported to CRRC and were tested in accordance with ASTM C1549. The emittance and reflectance values published are those required for Title 24 compliance.

For additional information on this or any other technical matter please call Technical Services at 1-800-766-3411.

Note: Initial reflectivity value may be reduced over time as a natural consequence of aging.

For complete, up-to-date specifications and information, visit WWW.GAF.COM



Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™



East Sales Office:
(856) 241-0241

Central Sales Office:
(630) 296-1980

Southeast Sales Office:
(813) 829-8867

Southwest Sales Office:
(972) 851-0500

West Sales Office:
(951) 360-4200