

Exceptional Performance



**Reduce Your Energy
Costs...**

Help the Environment...

**With a GALVALUME[®]
Steel Roof**

About the ENERGY STAR® Program

According to the U.S. Environmental Protection Agency, Americans spend about \$40 billion a year to air condition buildings. In fact, one-sixth of all the electricity generated in the country each year is used for air conditioning! Much of this energy is produced by burning fossil fuels, a process that contributes to air pollution.

In urban areas, the problem is made even worse by the "heat-island effect," which occurs when man-made surfaces like dark roofs and pavement heat the surrounding air, further increasing the demand for air conditioning.

That's why the EPA created the ENERGY STAR® label for roof products; to help identify and promote the use of highly reflective, energy-efficient roof products. ENERGY STAR-labeled roof products can help keep buildings cooler in warm weather by reflecting heat from the sun. As a result, they require less energy for air conditioning, which is good for the environment.

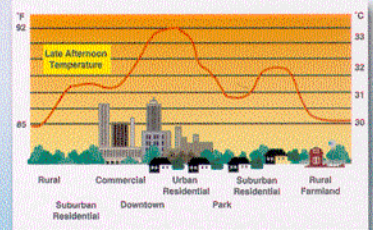
When you choose a GALVALUME® steel roof - one that meets the requirements of the ENERGY STAR-labeled roof products program - you not only get a durable and cost-effective roof, you also save money on energy costs and help the environment at the same time!

Benefits of ENERGY STAR® Labeled Roof Products

According to the EPA, some of the benefits of ENERGY STAR-labeled roof products include:

- **Energy savings.** By limiting the transfer of the sun's heat into a building, ENERGY STAR-labeled roof products can help keep buildings cooler and reduce energy usage. That means building owners can save money on energy costs.
- **Downsized A/C equipment.** An ENERGY STAR-labeled roof product can reduce peak cooling demand. This means you may be able to purchase a smaller, less-expensive cooling system for your building.
- **Decreased pollution.** When ENERGY STAR-labeled roof products are widely used in a community, energy consumption for air conditioning is reduced, which means less burning of fossil fuels to generate power - and less smog in the air!
- **Reduced "Heat-Island" Effect.**

Non-reflective roofs heat the air passing over them, contributing to a general increase in the air temperature of the neighborhood. But ENERGY STAR-labeled roof products reduce this effect - thus helping to reduce the energy needed to air condition buildings.



Sketch of an Urban Heat-Island Profile



GALVALUME Steel Information...



GALVALUME sheet steel is coated with a 55 percent aluminum/zinc alloy, combining the best features of aluminum and zinc coatings. Since it was first commercialized in 1972, GALVALUME sheet steel has emerged as the premier

steel roofing material, offering high strength, light weight, superb corrosion resistance, long-term durability and low life-cycle costs - plus, of course, it provides excellent solar reflectance.

Today, highly reflective GALVALUME steel roofing is available in chemically treated and acrylic coated forms. The chemically treated and acrylic coated GALVALUME products have been independently tested and found to meet the requirements of the EPA ENERGY STAR-labeled roof products guidelines.

Chemically treated products are sold under various trademarks including GALVALUME[®], ZINCALUME[®], ZINTRO-ALUM[™] or GALVAL[™]. Acrylic-coated products are sold under various trademarks including ACRYLUME[®], GALVALUME[®] PLUS, ZINCALUME[®] PLUS, ZINTRO-ALUM[™] PLUS or GALVAPLUS[™].

How to Find Out More

If you are installing or replacing a roof on a commercial or residential building, be sure to ask your roofing contractor or manufacturer about ENERGY STAR-labeled roof products. The ENERGY STAR label will appear on roof product packaging and advertisements. For more information on the EPA ENERGY STAR Program, you may call the toll-free ENERGY STAR Hotline at 1-888-STAR-YES (1-888-782-7937), or visit the program's Web site at www.energystar.gov. For more specific information about Galvalume steel, visit www.steelroofing.com.

How Much Can You Save?

The exact amount of savings you achieve from an ENERGY STAR-labeled roof product depends on many factors including your geographic location and climate, the amount of roof insulation in the building, the type of roof you are installing, how well the roof is kept clean and maintained, and the efficiency of the air-conditioning system. In general, homes and buildings located in hot and sunny climates will realize the greatest energy and cost savings. For maximum energy savings, your building should take advantage of both reflective roof surfaces and an optimum level of insulation.



Produced by

Galvalume Sheet Producers

of North America

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Dofasco Inc.
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Wheeling-Nisshin, Inc.

Galvalume Sheet Producers of North America

1111 Main Street, Suite 545
Vancouver, WA 98660 USA
Phone: (360) 750-5791
FAX: (360) 750-5936
www.steelroofing.com

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