



ROOFING AND SIDING

Taylor Metal Has You Covered!

In addition to being energy efficient, Metal roofing is recognized as a sustainable building material for several other environmental reasons. And, as a “green” building product, metal roofing is rightfully becoming more popular in the architectural community.



Durability - Taylor Metal and Roofing is known for its resistance to weather, including wind, hail, ice, and snow. It is less affected by hot-cold and wet-dry cycles that destroy other materials. Commercial roofs have been in service 30 years or more. Painted roofs are credibly warranted up to 40 years.

Recycled Content – Taylor Metal roofs typically have a minimum of 25% recycled content. This level of recycled content allows metal roofing to be routinely included on listings for “green” and recycled content products. This is especially important since the U.S. Green Building Council program for certification of green buildings, Leadership in Energy and Environment Design (LEED)™, awards either one or two points for the weighted total recycled content of all materials in a project. Taylor Metal Roofing is a solid contributor toward one LEED point and may help gain a second one.

Recyclable – Taylor Metal Roofing is also 100% recyclable when ultimately removed as part of building renovation or demolition. Other roofing materials are routinely removed and disposed of by the ton in landfill, but metal roofing can be recycled in its entirety. Metals are exceptional building materials that can credibly claim both recycled content and recyclable by recognized definitions.

Low Weight – Depending on the specific product chosen, the weight of metal roofing is one-third to as little as one-eighth that of conventional roofing shingles. This lower weight produces less static and dynamic loading on the structure and thus can allow for metal roofing to be



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installed over old roofing material without requiring demolition removal.

A building's cooling and heating costs can be effectively reduced by insulation under the roof surface. Adding increasing amounts of insulation is not always the best way to save energy. As part of total system design, a cool metal roof can be an economical method for better energy efficiency.



Taylor Metal "Cool" Metal Roofing is available unpainted, with oven-baked paint finishes, or with granular-coated surfaces. This family of roofing can achieve solar reflectance of over 70 percent. Reflected solar energy allows the roof surface to remain cooler, which means less heat is transferred into the building.

The infrared admittance of a roof is a measure of absorbed solar radiation that is re-emitted from the roof surface to the sky. Admittance of metal roofing varies with the surface finish. Admittance of painted or granular-coated metal roofing can be as high as 90 percent.

Where annual cooling loads dominate, a highly reflective and highly emissive painted or granular-coated metal roof is optimal for reducing energy consumption. Where annual heating loads dominate, an unpainted metal roof is more desirable because of its low infrared admittance.

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