



GREEN, AND PROUD OF IT.

At Klauer Manufacturing Company we are excited and very proud that the metal building products we produce are among the most sustainable, environmentally friendly and energy efficient products available for residential, agricultural and commercial construction. The metals (steel, aluminum and copper) we use in the fabrication of our products can claim both recycled content and superior recyclability by today's green building industry standards. With the durability of metal, replacement is seldom ever required. Klauer metal building products are an excellent choice for today and generations to come.

Steel

Steel is the most recycled material in the United States today. Over seventy million tons of steel are recycled annually in our country alone. Industry experts report that steel produced today contains a minimum of 20% recycled content, and in many cases the recycled content exceeds 50%. Every ton of steel that is recycled saves over two tons of iron ore, coal and limestone. Furthermore, producing steel made with recycled materials uses only approximately one fourth of the amount of energy that would be normally required to produce steel from natural raw materials alone. Of equal importance is that steel building products can be 100% recycled once they are removed from service. Conversely, alternative materials become solid waste in our dwindling municipal landfills.

Aluminum

Aluminum is also an extensively recycled metal. The aluminum industry reports industry-wide that over 60% of all discarded aluminum is now recycled. Producing aluminum from recycled materials requires only 5% of the energy than would be required to produce it from bauxite ore. Every ton of aluminum recycled saves over four tons of bauxite ore that would otherwise be required. Air pollutants such as CO(2), SO(x), and NO(x) are reduced by over 95% and water by over 97% by the use of recycled aluminum. All of our aluminum building products are 100% recyclable.

Packaging

Another growing concern in our industry is the large amounts of packaging materials, such as cardboard that are used with the packaging and shipping of our products. We have chosen to reduce the amount of such materials that are rapidly filling our valuable landfill space. We have integrated spiral-wrapping into our production methods. In addition to reducing the amount of packaging materials to be disposed of, spiral-wrapping protects the product from dirt and other contaminants in transit or at the jobsite. Shipping abrasion and concealed damage are all but eliminated by the spiral-wrapping process. Furthermore, employee injury from handling the product is reduced dramatically. While spiral-wrap and some types of cardboard are both recyclable, spiral-wrap has a higher degree of recyclability over cardboard and other packaging materials.

Energy Efficiency

Many of our existing colors for K-Rib Roofing and Siding and our other building products are painted with a unique SR formulations of the Valspar WeatherX paint system. They are specifically designed to meet Energy Star guidelines, which means they can decrease the cost of cooling a building and the energy consumed by as much as 40%. Energy Star certified metal roofs refract a high percentage of the sun's energy back into the atmosphere, reducing heat buildup.

