

# NUCOR-YAMATO STEEL CO.

Post Office Box 1228 ♦ Blytheville, Arkansas 72316 ♦ Telephone 870/762-5500 ♦ Fax 870/763-4681

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Subject: Recycled content of Nucor-Yamato Steel Company structural products

Nucor-Yamato Steel produces all of its structural steel products using the electric arc furnace process that uses ferrous scrap (recycled steel) as the primary feedstock. In order to meet our production goals each year, Nucor-Yamato recycles/consumes approximately 2.5 million tons of steel. The requirement for this amount of raw material makes Nucor-Yamato the largest recycler of steel in the state of Arkansas.

Over 95% of the electric arc furnace charge consists of various types of recycled steel. For LEED-NC v2.1, over 80% is “post-consumer” and over 15% is “post-industrial”. (For LEED-NC v2.2, “post-consumer” is over 80%, but the 15% component is now called “pre-consumer”.) The balance of the metallic charge is made up of pig iron, which is produced from iron ore. The majority of pig iron consumed as a ferrous scrap substitute at Nucor-Yamato Steel is sourced from outside the USA and purchased directly by us. The percentage of individual types of ferrous scrap and pig iron may vary and is based upon market fluctuation in scrap pricing and the need to provide the desired properties to meet material specifications.

The David Joseph Company provides almost all of the ferrous scrap consumed by Nucor-Yamato Steel Company. The David Joseph Company reports that at over sixty percent of Nucor-Yamato’s recycling material (scrap iron and steel) originates from within a 500-mile radius of Little Rock, Arkansas. In 2007, about 1,582,390 tons of ferrous scrap was consumed at Nucor-Yamato Steel from within this radius.

If we may be of further assistance to you, or should you require additional information, please feel free to contact us.

Best Regards,

Gary Pennell  
Chief Metallurgist