



Roanoke Bar Division
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Recycled Content / Scrap Origin and Certificate of Origin (USA)

- References:
- (a) 16 CFR 260.7
 - (b) U.S. Green Building Council (USGBC) LEED-NC v 2.2
 - (c) ISO 14021
 - (d) Steel Recycling Institute

Steel Dynamics Roanoke Bar Division (SD-RBD) uses an electric arc furnace and continuous casting process for the production of its billets. These billets are used in our Rolling Mill to produce finished products, with the excess billets sold as a semi-finished product.

Finished products consist of: flats, angles, rounds, channels, rebar, and structural shapes.

Semi-finished products consist of billets of the following dimensions (the overall length of the billets will vary): 6" x 6", 6 3/8" x 4 3/4", 6" x 4", and 4" x 4".

Our major raw material for the production of all our billets is "recycled" steel scrap (post-consumer and pre-consumer; including home scrap). A small percentage of non-recycled raw materials (ferro-alloys) are used depending upon the metallurgical requirements of our mill or semi-finished customers.

LEED Point Credits for Recycled Content may be calculated from the data below:

Based on our 2009 data, the content of all steel products produced at SD-RBD is 94% to 99% "recycled scrap material"; the remainder being a blend of ferro-alloys additives (to meet metallurgical requirements and/or customer requirements) and "home" scrap material.

The "recycled scrap material" utilized by SD-RBD is 83% to 99% post-consumer and 17% to 1% pre-consumer scrap metal; based on current industry data available.

** In almost all cases, the real content of the recycled material in a product cannot be actually measured nor verified. The claim above is based on an estimation of the recycled material content used in the production process of all steel products.*

"Post-consumer" material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their roll as end-users of the product, which can no longer be used for its intended purpose.

“Pre-consumer” material is defined as material diverted from the waste stream during the manufacturing process. Excluded is reutilization of materials such as rework, regrind, or scrap generated in a process and capable of being reclaimed within the same process that generates it.

For the purpose of a recycled content claim, pre-consumer material is waste generated from one commercial process that has actually discarded the material and, collected and reprocessed by another processing facility. This means the waste needs to leave the facility that generated it and follow the recycling path.

“Home scrap” is considered the spilled raw material and scraps left over from the original manufacturing process, collected, and reused. This material would not enter the waste recycling system but stays within the original facility for reuse.

LEED Point Credits for Regional Material Requirements:

One hundred percent (100%) of our scrap supply is procured from within a 500-mile radius of our plant.

To determine if our plant is within 500 miles of projected job site, our street address is:

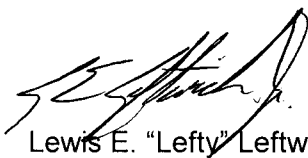
102 Westside Blvd., Roanoke, VA 24017.

Additional Information of Importance:

1. All scrap material entering our plant is thoroughly screened and is free of radioactive materials. We hereby certify that no radium, mercury, or alpha source materials were used in the production of any of our steel products.
2. Weld repair is not performed on any of the steel products produced at Steel Dynamics Roanoke Bar Division.
3. All finished and semi-finished products sold by SD-RBD are produced at our plant in Roanoke, Virginia, United States of America.
4. SD-RBD hereby certifies that all products supplied by our plant for use within the United States of America will be manufactured in our plant and will be made with domestic steel only.

If you have any questions or need additional information, please feel free to call and as always, thank you for your continued business with Steel Dynamics Roanoke Bar Division.

Sincerely,



Lewis E. "Lefty" Leftwich, Jr.