

Vicenza plant

CLIMATE DECLARATION FOR MERCHANT BAR

Functional unit: 1000 kg (1 ton)

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a lifecycle assessment (LCA) performed as basis for an EPD[®], in accordance with ISO 14025 and EN 15804.



Information about the product

Hot rolled merchant bars produced in Vicenza plant, with billets produced internally with EAF (electric arc furnace), starting from pre e post-consumer steel scrap, varying steel grade, e.g. S235, S275, S355, etc.

Information about the company

Active in the steel sector since 1896, AFV Gruppo Beltrame is a leading producer of merchant bars and special profiles for many areas of use: construction, shipbuilding, earth moving machinery, oil & gas, energy and automotive. The Group today comprises 4 electric furnace steel mills and 12 rolling mills, located in 7 plants in Italy, France, Switzerland and Romania, employing a total of approximately 3,000 people.

Climate declaration

The table below lists the emissions of greenhouse gases for the product in kg CO₂ eq. per 1000 kg (1 ton) of product.

Additional information

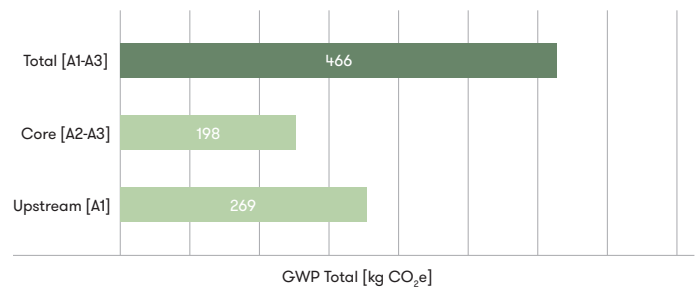
The total recycled content (>95%) represents the sum of the purchased scraps splitted between Pre-consumer and Post-consumer.

PRODUCT	Pre-consumer recycled content (%)	Post-consumer recycled content (%)
Billets - Hot rolled merchant bars	41%	55%

Other environmental impacts

For the full EPD, see www.environdec.com.

Hot-rolled merchant bar - Vicenza [kg CO₂e]



Climate change impact categories:

Modules	U. M.	GWP Total	GWP Fossil	GWP Biogenic	GWP LU&LUC	GWP CHC
A1-A3	kg CO ₂ e	466	453	13	0,2	456

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD [®] SYSTEM	REGISTRATION NO: S-P-11653	VALIDITY: 2028-12-18
PCR: 2019:14 Construction products v 1.3.1	UN CPC: 412	PCR: REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: 2010		ACCREDITED/APPROVED BY: RINA SERVICE S.P.A.

CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE

THIS SINGLE-ISSUE EPD ONLY ADDRESSES ONE ENVIRONMENTAL IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE SINGLE IMPACT CATEGORY DISPLAYED.