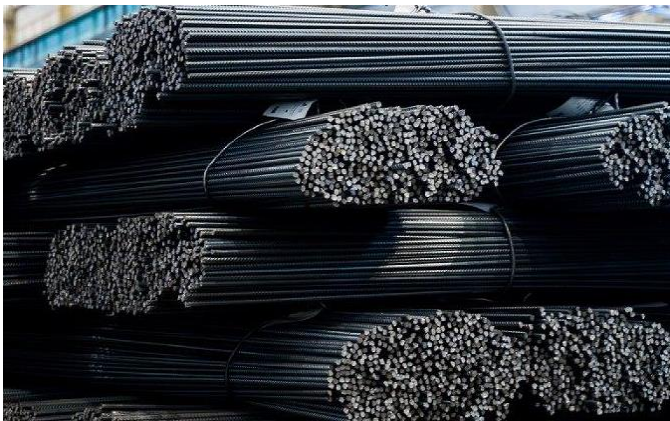


CLIMATE DECLARATION FOR CARBON STEEL REINFORCEMENT BARS

Functional unit: 1 kg of carbon steel rebar in bars

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

Steel rebar, obtained from scrap, melted in chipboard followed by hot rolling. Designed for reinforcement of reinforced concrete structures of buildings and structures. The composition of steel reinforcement products does not change during use.

Information about the company

NLMK-Ural is a well-balanced metallurgical complex with a full production cycle from steel melting to manufacturing finished products. NLMK-Ural specializes in the production of continuously cast square billets, reinforcing bars and coils, wire rod. NLMK-Ural considers sustainable development as its social mission. The Company products are highly competitive and are in constant demand in the domestic and foreign markets.

Climate declaration

The table below shows the carbon footprint of the product, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 kg of carbon steel rebar in bars.

	Production A1-A3	Installation A4-A5
GWP-fossil	6.52E-01 kg CO ₂ -eq	7.37E-02 kg CO ₂ -eq
GWP-biogenic	3.81E-02 kg CO ₂ -eq	4.07E-03 kg CO ₂ -eq
GWP-luluc	2.18E-04 kg CO ₂ -eq	4.96E-04 kg CO ₂ -eq
GWP Total	6.53E-01 kg CO ₂ -eq	7.40E-02 kg CO ₂ -eq

	Disposal C1-C4	Reuse/recovery/ recycle D
GWP-fossil	1.74E-02 kg CO ₂ -eq	-8.17E-02kg CO ₂ -eq
GWP-biogenic	1.44E-03 kg CO ₂ -eq	2.18E-03 kg CO ₂ -eq
GWP-luluc	8.75E-05 kg CO ₂ -eq	2.33E-06 kg CO ₂ -eq
GWP Total	1.75E-02 kg CO ₂ -eq	-8.18E-02kg CO ₂ -eq

Other environmental impacts

For the full EPD, see www.environdec.com and www.epdrussia.org.

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-01478	VALIDITY: 2025-03-25
PCR: 2012:01, V2.3	UN CPC: 41244, 41261	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: EXTERNAL VERIFIER: INDEPENDENT VERIFIER ANDREAS CIROTH, GREENDELTA		ACCREDITED / APPROVED BY: THE INTERNATIONAL EPD SYSTEM	
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			
THIS CLIMATE DECLARATION ONLY ADDRESSES ONE IMPACT CATEGORY AND DOES NOT ASSESS OTHER POTENTIAL SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACTS ARISING FROM THE PROVISION OF THIS PRODUCT. THESE ASPECTS MAY BE OF EQUAL OR GREATER IMPORTANCE THAN THE IMPACT CATEGORY DISPLAYED			