

CLIMATE DECLARATION FOR PC-STRAND: PRESTRESSED STEEL FOR REINFORCEMENT OF CONCRETE

Functional unit: 1 kg of PC-strands

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

Severstal-metiz PC-Strands product range consist of 7-wire strands made from high-quality wire rod. PC- strands are designed for use in prestressed concrete structures, namely: applied as steel reinforcement of unbonded post-tensioned concrete structures, applied as a steel reinforcement of prestressed concrete constructions, applied as a steel reinforcement of prestressed thin concrete constructions, strand for heavy lifting produced by Severstal-metiz.

Information about the company

The Severstal-metiz corporate group is an efficient enterprise aimed at the improvement of its business-processes, operating in niche segments with a high added value (markets, fields, products) and seeking to create unique value proposition through the best "product-service" offer. Quality management system (QMS) of the Company meets the requirements of the international standard ISO 9001-2015.

Climate declaration

The table below shows the carbon footprint of the product, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 kg of PC-strands.

	A1	A2	A3
GWP Total	2,63E+00	5,18E-04	2,84E-02

Other environmental impacts

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

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-02295	VALIDITY: 2026-07-07
PCR: 2012:01, V2.33	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: EXTERNAL VERIFIER: INDEPENDENT VERIFIER DR HUDAI KARA, METSIMS SUSTAINABILITY CONSULTING		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			