

CLIMATE DECLARATION FOR STEEL COIL, HOT ROLLED STEEL FROM LPK COMPLEX AND HOT ROLLED STEEL FROM STAN-5000 COMPLEX

Declared unit: 1 tonne of steel coils, hot rolled from Vyksa Steel Works

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

Vyksa Steel Works is capable to produce steel coil, strip and wide sheet from hot rolled steel from LPK complex and STAN-5000 complex. Depending on customer request, the company provides products in a wide range of physical parameters and steel grades. Depending on customer request, the company provides products in a wide range of physical parameters and steel grades.



Information about the company

United Metallurgical Company (OMK) is one of Russia's largest industrial enterprises and a major contributor to the country's economy. We produce high-quality products which meet the most stringent demands of our customers. It supplies perfectly mature steel and service solutions to the Russian energy industry, including nuclear and heat installations, construction companies, machine building, the automotive sector, railway car construction, and railway transportation.

One of the oldest metallurgical centres in Russia was established in 1757. The facility produces steel coils, strips and wide sheets in a wide range of parameters and grades from hot rolled produced in 2 industrial complexes: LPK (Casting and Rolling Complex) and STAN-5000 (Heavy Plate Mill).

Casting and Rolling Complex (LPK), as well as Heavy Plate Mill (STAN-5000 complex) of the Vyksa Steel Works has certificates "TUV Rheinland", confirming the compliance of manufactured products with the requirements of EU regulation 305/2011/EU (construction products) and compliance of the quality management system with the requirements of the EU directive 2014/68/EU (pressure equipment). The Complexes also have certificates of the Maritime and River Register recognizing the manufacturer as a manufacturer of rolled products for shipbuilding. The facility and the manufacturing management systems are certified per the requirements of ISO/TS 22163 (IRIS), ISO 9001, ISO 14001, ISO 45001, ISO 50001 as well as per national standards..

EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-02303	VALIDITY: 2028-04-13
PCR 2019:14 (1.2.5)	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 HÜDAI 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			

CLIMATE DECLARATION FOR STEEL COIL, HOT ROLLED STEEL FROM LPK COMPLEX AND HOT ROLLED STEEL FROM STAN-5000 COMPLEX

Declared unit: 1 tonne of steel coils, hot rolled from Vyksa Steel Works

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

Climate declaration

The table below shows the carbon footprint of the product, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 tonne of steel coil, hot rolled.

	Results per Declared unit						
	A1-A3	A4	C1	C2	C3	C4	D
GWP-fossil	6.74E+02	1.86E-01	1.29E+00	3.83E+00	0.00E+00	3.74E-01	-2.02E+01
GWP-biogenic	4.52E+01	6.39E-04	3.17E-01	2.14E-01	0.00E+00	3.85E-02	-3.79E+00
GWP-luluc	9.56E-02	3.56E-12	2.73E-04	2.59E-02	0.00E+00	6.90E-04	-5.58E-03
GWP Total	7.20E+02	1.84E+01	1.61E+00	4.07E+00	0.00E+00	4.13E-01	-2.40E+01

Other environmental impacts

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

Contact information

<https://omksteel.com/>
info@omk.ru
+7 (495) 231 77 71

EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-02303	VALIDITY: 2028-04-13
PCR 2019:14 (1.2.5)	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 HÜDAI 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			