



ArcelorMittal

DECLARATION OF PERFORMANCE

No. 61-24 НД 18.01.2023

1. Unique identification code of the product-type:

Weldable, ribbed, hot rolled reinforcing steel bars steel grade B500B:

8 mm, 10 mm, 12 mm, 14 mm, 16 mm, 18 mm, 20 mm, 22 mm, 25 mm, 28 mm, 32 mm

2. Type of the construction product, place of manufacture of the product:

Rolling marking: 9/2/2 (indicated on the label and bars)

3. Technical specification applicable to the construction product (TS):

LST EN 10080:2005

and declared values according to declaration of performance

4. Intended use of the construction product, in accordance with the applicable TS, as foreseen by the Manufacturer:

for the reinforcement of concrete structures

5. Name and address of the manufacturer:

PJSC «ArcelorMittal Kryvyi Rih»

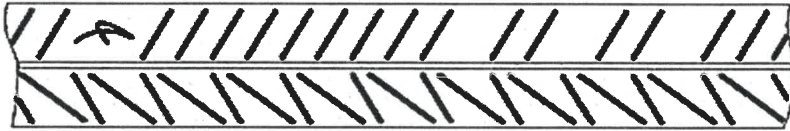
1, Ordzhonikidze (Kryvorizhstali), 50095 Kryvyi Rih, Ukraine

6. System of assessment and verification of constancy of performance of the construction product: **1+**

7. Designated body - **Organization certified by UAB «Kiwa Inspecta»**- performed the initial inspection of the manufacturing plant and of factory production control and performs continuing surveillance, assessment and evaluation of factory production control under **system 1+** and issued the **Certificate of constancy of performance No. 04-18-149**

Organization certified by UAB “Kiwa Inspecta”, Lithuania

8. Declared performance

Essential characteristics	Performance	Test method	Technical specification	
Elongation, A_{gt} (characteristic value, %):	$\geq 5,0$	LST EN ISO 15630-1:2019	LST EN 10080:2005	
Weldability (product analysis): - carbon equivalent, % $C_{eq} = C + Mn/6 + (Cu + Ni)/15 + (Cr + Mo + V)/5$; limitations on the content of certain element (durability product analysis, %): - carbon, C; - sulphur, S; - phosphorus, P; - nitrogen, N; - copper, Cu;	$\leq 0,52$ $\leq 0,240$ $\leq 0,055$ $\leq 0,055$ $\leq 0,014$ $\leq 0,850$	LST EN 10080:2005 spectrometric methods spectrometric method spectrometric method spectrometric method method of reduction melting spectrometric method		
Tolerances, %: d = 8 mm d > 8 mm	$\pm 6,0$ $\pm 4,5$	LST EN ISO 15630-1:2019		
Bendability – bend-rebend test (90°/20°)	pass	LST EN ISO 15630-1:2019		
Bonding strength (surface geometry, %) f_R : d = 8 mm d > 8 mm	$\geq 0,045$ $\geq 0,056$	LST EN ISO 15630-1:2019		
Stress ratio, R_m/R_e (characteristic value)	$\geq 1,08$	LST EN ISO 15630-1:2019		
Tensile yield strength, R_e (characteristic value, MPa)	500 ÷ 650	LST EN ISO 15630-1:2019		
Fatigue	2×10^6 cycles	LST EN ISO 15630-1:2019		
Rolling marking: 9/2/2 per each 0,5-1,5 meter				

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 5

Signed by: ACTING DIRECTOR OF QUALITY DEPARTMENT

PJSC ARCELORMITTAL KRYVYI RIH

S. A. Kopylov
KRYVYI RIH, 17.01.2023




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(signature)