

Declaration of conformity of performance No. AMW 3/2018

(valid for product destination for Lithuanian market)

1. Unique identification code of the product-type:

weldable, hot rolled ribbed reinforcing bars – EN 10080:2005

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

BSt500S/B500B, diameters 10, 12, 14, 16, 20, 25, 28 and 32 mm

Rolling mark applied on the product: 1/42

Heat No – see label

Manufacturer: ArcelorMittal Warszawa Sp z o.o

Place of manufacture: ul Kasprowicza 132, 01-949 Warszawa, POLAND

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

EN 10080:2005

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:

**ArcelorMittal Warszawa Sp z o.o,
ul Kasprowicza 132, 01-949 Warszawa, POLAND**

6. Address of the authorised representative:

does not apply

7. System of assessment and verification of constancy of performance of the construction product:

system 1+

8. Designated body

VĮ Statybos produkcijos sertifikavimo centras (SPSC)

performed the initial inspection of the manufacturing plant and of factory production control and performs continuous surveillance, assessment and evaluation of factory production control under **system 1+** and issued the **Certificate of conformity No. SPSC-9064.**

9. Declared performance

Essential characteristics	Performance		Technical specification and test methods
Tensile yield strength R_e , MPa (characteristic value)	500		EN 10080:2005 EN ISO 15630-1:2011
Stress ratio R_m / R_e (characteristic value)	1,08		
Elongation at maximum force A_{gt} , % (characteristic value):	5,0		
Bendability (bending $\alpha=90^\circ$ and re-bending $\alpha=20^\circ$)	pass		
Tolerances from nominal cross-section	pass, $\pm 4,5\%$		
Bonding strength (surface geometry) f_R : - d = 10 mm - d = 12–32 mm	pass $\geq 0,052$ $\geq 0,056$		
Fatigue	NPD		
Weldability (chemical analysis): - carbon equivalent, C_{eq} ; - limitations on the content of certain elements	heat	product	EN 10080:2005 spectrometric method
	$\leq 0,50$	$\leq 0,52$	
Durability (chemical analysis): - carbon, C; - sulphur, S; - phosphorus, P; - nitrogen, N; - copper, Cu; - carbon equivalent, C_{eq}	pass	pass	
	heat	product	
	$\leq 0,22$	$\leq 0,24$	
	$\leq 0,050$	$\leq 0,055$	
	$\leq 0,050$	$\leq 0,055$	
	$\leq 0,012$	$\leq 0,014$	
$\leq 0,80$	$\leq 0,85$		
$\leq 0,50$	$\leq 0,52$		
Rolling marking: 1/42			

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

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

Signed:

Beata Dorota Pietrzyk - Head of Quality Control Department

(name and function of the person authorized to sign the declaration)

Warszawa, 2018.01.25


(place and date of issue)

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Kapitał zakładowy: 380 000 000 zł

(signature)



ArcelorMittal Warszawa Sp. z o.o.
KIEROWNIK DZIAŁU
KONTROLI JAKOŚCI

Beata Dorota Pietrzyk