

Declaration of conformity of performance No. AMW 3/2018 rev 1

(valid for product destination for Lithuanian market)

1. Unique identification code of the product-type:
weldable, hot rolled ribbed reinforcing bars
2. Type of the construction product, place of manufacture of the product:
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):
LST EN 10080:2006 / 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 by:

Beata Dorota Pietrzyk - Head of Quality Control Department

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

Warszawa, 2022.04.05

(place and date of issue)

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

Beata Dorota Pietrzyk

(signature)