



DECLARATION OF PERFORMANCE

No. **P-S235JR-01**

- Unique identification code of the product-type:
PR0301
- Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):
Bars S235JR acc. to PN-EN 10025-2:2007 IDT EN 10025-2:2004
- Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
Metal structures or in composite metal and concrete structures.
- Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):
**Zakład Walcowniczy „PROFIL” S.A.
ul. Ujastek 1, 31-752 Kraków
tel. (0-12) 680 24 00, fax. (0-12) 680 24 05**
- Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):
Not relevant
- System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:
System 2+
- In case of the declaration of performance concerning a construction product covered by a harmonised standard:
Zakłady Badań i Atestacji „ZETOM” im. Prof. Fryderyka Stauba w Katowicach - 1436
performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity of the factory production control.
- Case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:
Not relevant
- Declared performance:

Essential characteristics	Performance		Harmonised technical specification
Tolerances on dimensions and shape	Flat bars	PN-EN 10058	PN-EN 10025-1 : 2007 IDT EN 10025-1:2004
	Square bars	PN-EN 10059	
	Round bars	PN-EN 10060	
Elongation	Nominal thickness t [mm]	Values	
	4 ≤ t ≤ 40	min. 26 [%]	
Tensile strength Rm	Nominal thickness t [mm]	Values	
	4 ≤ t ≤ 40	360 ÷ 510 [MPa]	
Yield strength Re	Nominal thickness t [mm]	Values	
	4 ≤ t ≤ 16	min. 235 [MPa]	
	16 < t ≤ 40	min. 225 [MPa]	
Impact strength KV *	Nominal thickness t [mm]	Values	
	4 ≤ t ≤ 40	min. 27 [J]	
Weldability CEV	Nominal thickness t [mm]	Values	
	4 ≤ t ≤ 40	max 0,35 [%]	
Durability (Chemical composition)	Nominal thickness t [mm]	Values [%]	
		C _{max} SI _{max} Mn _{max} P _{max} ** S _{max} ** N _{max} *** Cu _{max}	
	4 ≤ t ≤ 40	0,17 - 1,40 0,035 0,035 0,012 0,55	

* The impact properties of quality JR products are verified only when specified at the time of the order; ** The P and S content can be 0,005 % higher; *** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020 % or alternatively min. 0,015% acid soluble Al or if sufficient other N binding elements are present.

- 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 4.

Signed for and on behalf of the manufacturer by:

Piotr Kielb
Quality Control Manager