



Declaration of Performance
(according to regulation EU No 305/2011)

- No. AMHK-2/01-CPR-13-1
Code of the product type: **1.0038**
2) Type: **Sections/Bars S235JR according EN 10025-2**
Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
To be used in welded, bolted and riveted structures
- 3) ArcelorMittal Poland S.A.
al. J. Piłsudskiego 92
41-308 Dąbrowa Górnicza - Poland
Tel: +48 32 776 66 66
Fax: +48 32 776 82 00
www.arcelormittal.com/sections

System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 1458 "SIMPTEST" Zespół Ośrodków Kwalifikacji Jakości Wyrobów, Ośrodek Badań i Certyfikacji Sp z o.o., performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

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

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Bogdan Mikołajczyk
Executive Director – Longs
Wojciech Michalczyk
Head of Quality Control – Longs

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
Tensile strength	Nominal thickness (mm)	Values (MPa)	EN 10025-1:2004
	>	min	
	≤	max	
	3	360	
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	3	26	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
	100	22	
Weidability	Nominal thickness (mm)	Values (%)	
	>	27 at +20°C	
	≤	max	
	30	0,35	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	C* : 0,17 Cu : 0,55 Mn : 1,40 S : 0,040 P : 0,040 N** : 0,012	
	140		

* For nominal thickness > 40 mm C: 0,20. For nominal thickness > 100 mm: C content upon agreement
** The max value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present