



ArcelorMittal

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

No. AMOS-2/04-CPR-13-1

Code of the product type: **1.0044**

2) Type: **Sections/Bars S275JR 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 Ostrava a.s.

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

Notified factory production control certification body No. 1020 Technical and Test Institute for Construction Prague (TZUS) 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 certificates 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:

Alan Doriňák
Director of Rolling Mills

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	
		16	
		275	
	16	40	
		265	
	40	63	
		255	
	63	80	
	245		
	80		
	100		
	235		
	100		
	225		
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
		max	
	=3	410	
100	400		
Elongation	Nominal thickness (mm)	Values (%)	EN 10025-1:2004
	>	min	
		40	
	=3	23	
	40	22	
	63	21	
100	19		
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
Weldability		27 at +20°C	
	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0.40	
	40	0.40	
	40	0.42	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
		Cu : 0,21	
	140	Mn : 1,50	
		P : 0,040	
		N** : 0,012	

* For nominal thickness > 40 mm C: 0,22. 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.