



ArcelorMittal

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

No. AMOS-2/09-CPR-13-1

Code of the product type: **1.0577**

2) Type: **Sections/Bars S355J2 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		
Yield strength	UPE, UPN	EN 10279	EN 10058/EN 10059/EN 10060/EN 10055	
	Flat / Square / Round / T bars			
	Nominal thickness (mm)	Values (MPa)		
	>	min		
	16	355		
	40	345		
Tensile strength	63	335		
	80	325		
	100	315		
	140	295		
	Nominal thickness (mm)	Values (MPa)		
	>	min		
Elongation	≤	max	EN 10025-1:2004	
	≥3	470		
	100	450		
	>	min		
	≥3	22		
	40	21		
Impact strength	63	20		
	100	18		
	Nominal thickness (mm)	Values (J)		
	>	min		
	140	27 at -20°C		
	Nominal thickness (mm)	Values (%)		
Weldability	>	max		
	30	0.45		
	40	0.47		
	40	0.47		
	Nominal thickness (mm)	Values (%)		
	>	max		
Durability (Chemical composition)	140	C* : 0.20	Cu : 0.55	
		Si : 0.55		S : 0.030
		Mn : 1.60		P : 0.030

* For nominal thickness > 30 mm C: 0.22. For nominal thickness > 100 mm: C content upon agreement
Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen
(for example min. 0.02% Al)