



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

No. AMOS-2/01-CPPR-13-1

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

ArcelorMittal Ostrava a.s.

Vratimovska 689

70702 Ostrava Kunice

Czech Republic

Tel. +420 59 733 1111

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. 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 Dornak
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	235		
	40	225		
	63	215		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	>	≤	min	
	=3	360	510	
	100	350	500	
Elongation	Nominal thickness (mm)	Values (%)		
	>	≤	min	
	=3	40	26	
	40	63	25	
Impact strength	Nominal thickness (mm)	Values (J)		
	>	≤	min	
	140	27 at +20°C		
Weldability	Nominal thickness (mm)	Values (%)		
	>	≤	max	
	30	0,35		
	40	0,35		
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
	>	≤	max	
	140	C* : 0,17	Cu : 0,55	
		Mn : 1,40	S : 0,040	
	P : 0,040	N** : 0,012		

* 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



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

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

Code of the product type: **1.0044**

1) **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

2) **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			EN 10025-1:2004
	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	
	16	16	275		
	16	40	265		
	40	63	255		
	63	80	245		
	80	100	235		
	100	140	225		
Tensile strength	Nominal thickness (mm)	Values (MPa)			
	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)	Values (%)			
	>	≤	min	max	
	=3	40	23		
	40	63	22		
	63	100	21		
Impact strength	Nominal thickness (mm)	Values (J)			
	>	≤	min		
	140		27 at +20°C		
Weldability	Nominal thickness (mm)	Values (%)			
	>	≤	max		
	30		0,40		
	40		0,40		
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)			
	>	≤	max		
	140	C* : 0,21	Cu : 0,55		
		Mn : 1,50	S : 0,040		
		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



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

No. AMOS-2/07-CPR-13-1

1) Code of the product type: **1.0045**

2) Type: **Sections/Bars S355JR 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 Dorfák
Director of Rolling Mills

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	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	EN 10025-1:2004
	Nominal thickness (mm)	Values (MPa)	
Tensile strength	>	min	max
	≤	min	max
	16	355	345
	40	470	630
	63	450	600
	80	470	630
	100	470	630
	140	470	630
	140	470	630
	140	470	630
Elongation	>	min	max
	≤	min	max
	3	22	21
	40	22	20
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
Weldability	Nominal thickness (mm)	27 at +20°C	
	>	max	
	30	0,45	
	40	0,47	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	140	C* : 0,24	Cu : 0,55
		Si : 0,55	S : 0,040
	Mn : 1,60	N** : 0,012	
	P : 0,040		

* 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.



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Declaration of Performance

(according to regulation EU No 305/2011)

No. AMOS-2/09-CP-R-13-1

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

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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 Doňták

Director of Rolling Mills

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	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	16	355	
40	40	345	
63	63	335	
80	80	325	
100	100	315	
100	140	295	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	≤	min
≥3	100	470	
100	140	450	
600		600	
Elongation	Nominal thickness (mm)	Values (%)	
	>	≤	min
	≥3	40	22
	40	63	21
	63	100	20
100	140	18	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	≤	min
140		27 at -20°C	
Weldability	Nominal thickness (mm)	Values (%)	
	>	≤	max
	30		0,45
	40		0,47
40	140	0,47	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	≤	max
	140		C* : 0,20
			Cu : 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)