



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

3) Arceormittal Ostrava a.s.

Vratimovska 689

70702 Ostrava Kunice

Czech Republic

Tel. +420 59 733 1111

www.arceormittal.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)	min	max	
	>	16	235	
	16	40	225	
	40	63	215	
	63	80	100	
Tensile strength	Nominal thickness (mm)	195		
	>	min	max	
	=3	100	360	
	100	140	500	
Elongation	Nominal thickness (mm)	Values (%)		
	>	min	max	
	=3	40	26	
	40	63	25	
Impact strength	Nominal thickness (mm)	24		
	>	min	max	
	140	22	22	
	140	22	22	
Weldability	Nominal thickness (mm)	27 at +20°C		
	>	min	max	
	30	0,35	0,35	
	40	0,35	0,35	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
	>	min	max	
	140	C* : 0,17	Cu : 0,55	
	140	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



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**

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.**

Vratimovska 689

70702 Ostrava Kuncice

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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 UPe, UPN	EN 10024 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	
100	140	19		
Impact strength	Nominal thickness (mm)	Values (J)		
	>	≤	min	max
	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	EN 10025-1:2004	
	≤	max		
	16	355		
	40	345		
	63	335		
	80	325		
	100	315		
	140	295		
	Nominal thickness (mm)			Values (MPa)
	>	min		
≤	max			
=3	470			
100	450			
600				
Elongation	Nominal thickness (mm)	Values (%)	EN 10025-1:2004	
	>	min		
	≤	max		
	=3	22		
	40	21		
	63	20		
Impact strength	Nominal thickness (mm)	Values (J)	EN 10025-1:2004	
	>	min		
	≤	max		
Weldability	Nominal thickness (mm)	Values (%)	EN 10025-1:2004	
	>	max		
	30	0,45		
	40	0,47		
	40	0,47		
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	EN 10025-1:2004	
	>	max		
	140	C* : 0,24		
		Si : 0,55		
		Mn : 1,60		
	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		EN10056-2		
Angles				
I and H sections		EN 10034		
Tapered Flange I		EN 10024		
UPE, UPN		EN 10279		
Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)	Values (MPa)		
	>	min	max	
	≤	min	max	
	16	355	355	
	40	345	345	
	63	335	335	
	80	325	325	
	100	315	315	
	140	295	295	
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	>	min	max	
	≤	min	max	
	=3	470	630	
	100	470	630	
	140	450	600	
Elongation	Nominal thickness (mm)	Values (%)		
	>	min	max	
	≤	min	max	
	40	22	22	
	63	21	21	
	100	20	20	
	140	18	18	
Impact strength	Nominal thickness (mm)	Values (J)		
	>	min	max	
	≤	min	max	
	140	27 at -20°C	27 at -20°C	
Weldability	Nominal thickness (mm)	Values (%)		
	>	max	max	
	≤	max	max	
	30	0,45	0,45	
	40	0,47	0,47	
	140	0,47	0,47	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
	>	max	max	
	≤	max	max	
	140	C* : 0,20	Cu : 0,55	
		S : 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)