



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

No. AMDG-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 Dębrowa Górnicza - Poland

Tel: +48 32 776 66 66

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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. 1436 Institution for Research and Certification (ZETOM) 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 Michałczyk  
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 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	EN 10025-1:2004
	16	235		
	16	40	225	
	40	63		
	63	80	215	
	80	100		
	100	140	195	
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	>	min	max	
	=3	360	510	
	100	350	500	
Elongation	Nominal thickness (mm)	Values (%)		
	>	min		
	=3	40	26	
	40	63	25	
	63	100	24	
	100	140	22	
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		
	40	0,38		
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
	>	max		
	140	C* : 0,17 Mn : 1,40 P : 0,040	Cu : 0,55 S : 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. AMDG-2/04-CP R-13-1

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 Poland S.A.

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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. 1436 Institution for Research and Certification (ZETOM) 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      Wojciech Michalczyk  
Executive Director – Longs      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	
	16	275	275	
	40	265	265	
	63	255	255	
	80	245	245	
	100	235	235	
	140	225	225	
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	>	min	max	
	=3	410	560	
	100	400	540	
Elongation	Nominal thickness (mm)	Values (%)		
	>	min	max	
	=3	23	23	
	40	22	22	
	63	21	21	
	100	19	19	
Impact strength	Nominal thickness (mm)	Values (J)		
	>	min	max	
	140	27 at +20°C	27 at +20°C	
Weldability	Nominal thickness (mm)	Values (%)		
	>	max	max	
	30	0.40	0.40	
	40	0.40	0.40	
	140	0.42	0.42	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
	>	max	max	
	140	C* : 0.21      Cu : 0.55	Cu : 0.55	
		Mn : 1.50      S : 0.040	S : 0.040	
		P : 0.040      N** : 0.012	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



ArcelorMittal

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

No. AMDG-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 Poland S.A.

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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. 1436 Institution for Research and Certification (ZETOM) 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 Mikolajczyk  
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	EN 10025-1:2004
	Land 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)	
Tensile strength	>	min	
	16	355	
	40	345	
	63	335	
	80	325	
	100	315	
	140	295	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	=3	470	
100	630		
140	600		
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	=3	22	
	40	21	
	63	20	
	100	18	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
Weldability	140	27 at +20°C	
	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0,45	
	40	0,47	
Durability (Chemical composition)	140	0,47	
	Nominal thickness (mm)	Values (%)	
>	max		
140	C* : 0,24 Si : 0,55 Mn : 1,60 P : 0,040	Cu : 0,55 S : 0,040 N** : 0,012	

\* 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. AMDG-2/09-CPR-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. 1436 Institution for Research and Certification (ZETOM) 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 Milkolajczyk  
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)		
Tensile strength	>	<input type="checkbox"/>	min	max
	16	<input type="checkbox"/>	355	
	40	<input type="checkbox"/>	345	
	63	<input type="checkbox"/>	335	
	80	<input type="checkbox"/>	325	
	100	<input type="checkbox"/>	315	
	140	<input type="checkbox"/>	295	
	Nominal thickness (mm)	<input type="checkbox"/>	min	max
	=3	<input type="checkbox"/>	470	630
	100	<input type="checkbox"/>	450	600
Elongation	Nominal thickness (mm)	Values (%)		
	>	<input type="checkbox"/>	min	
	=3	<input type="checkbox"/>	22	
	40	<input type="checkbox"/>	21	
	63	<input type="checkbox"/>	20	
Impact strength	Nominal thickness (mm)	Values (J)		
	>	<input type="checkbox"/>	min	
Weldability	140	<input type="checkbox"/>	27 at -20°C	
	Nominal thickness (mm)	Values (%)		
	>	<input type="checkbox"/>	max	
	30	<input type="checkbox"/>	0,45	
Durability (Chemical composition)	40	<input type="checkbox"/>	0,47	
	140	<input type="checkbox"/>	0,47	
	Nominal thickness (mm)	Values (%)		
>	<input type="checkbox"/>	max		
		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)

EN 10025-1:2004