



ArcelorMittal

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

No. AMW-3/06-CPR-15-1

1) Code of the product type: **S460NL**

According EN 10025-3

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 Warszawa Sp. z o.o.

Ul. Kasprowicza 132

01-949 Warsaw - Poland

Tel: +48 (22) 835 8000

Fax: +48 (22) 835 4222

www.arcelormittal-warszawa.com

sections.arcelormittal.com

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 certificates of conformity of the factory production control.

The performance of the product identified in point 1 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 2. Signed for and on behalf of the manufacturer by:

Dorota Pietrzyk
Head of Quality Control Dept.

Date : 19.01.2015

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	
	≤	min	
	16	460	
	40	440	
40	430		
63	410		
80	400		
100	380		
Tensile strength	Nominal thickness (mm)	Values (MPa)	EN 10025-1:2004
	>	min	
	≤	min	
	40	540	
	63	540	
	720	720	
63	540		
720	720		
80	540		
720	720		
100	530		
710	710		
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
Impact strength	≤	min	
	140	17	
Weldability	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	min	
	140	27 at -50°C	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	max	
	63	0,53	
	100	0,54	
	140	0,55	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	min	
≤	min	C : 0,22	Ti : 0,06
140	140	Si : 0,65	Cr : 0,35
		P : 0,030	Mn : 0,13
		S : 0,025	Ni : 0,85
		Nb : 0,06	Cu : 0,60
		V : 0,22	N : 0,027
		Mn : 0,95	Mn: 1,80



ArcelorMittal

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

No. AMW-3/05-CPR-15-1

1) Code of the product type: **S460N**

According EN 10025-3

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 consistency of performance of the product:
System 2+

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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	
Tensile strength	16	460	
	40	440	
	63	430	
	80	410	
	100	400	
	140	380	
	Nominal thickness (mm)	Values (MPa)	
>	min		
≤	max		
Elongation	40	540	EN 10025-1:2004
	63	540	
	80	540	
	100	540	
Impact strength	100	530	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
Weldability	140	17	
	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
Durability (Chemical composition)	140	20 at -20°C	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	63	0.53	
	100	0.54	
	140	0.55	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	140	C : 0,22 Ti : 0,06	
	140	Si : 0,65 Cr : 0,35	
	140	P : 0,035 Mo : 0,13	
	140	S : 0,030 Ni : 0,85	
	140	Nb : 0,06 Cu : 0,60	
	140	V : 0,22 N : 0,027	
	>	Mn : 0,95	
	≤	Mn : 1,80	
	140		
	140		



ArcelorMittal

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

No. AMW-3/04-CPR-15-1

1) Code of the product type: **S355NL**

According EN 10025-3

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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Ul. Kasprowicza 132

01-949 Warsaw - Poland

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

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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	
Tensile strength	16	355	
	40	345	
	63	335	
	80	325	
	100	315	
	140	295	
Elongation	Nominal thickness (mm)	Values (MPa)	
	>	min	max
	100	470	630
	140	450	600
Impact strength	Nominal thickness (mm)	Values (%)	
	>	min	
	40	22	
	63	22	
	100	21	
	140	21	
Weldability	Nominal thickness (mm)	Values (J)	
	>	min	
	140	27 at -50°C	
	Values (%)	max	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	min	max
	140	C : 0,20	P : 0,030
		Si : 0,55	S : 0,025
	Ti : 0,06	Nb : 0,06	
	Cr : 0,35	V : 0,14	
	Mo : 0,13	Cu : 0,60	
	Ni : 0,55	N : 0,017	
	Mn : 0,85	Mn : 1,75	

EN 10025-1:2004



ArcelorMittal

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

No. AMW-3/03-CPR-15-1

Code of the product type: **S355N**

According EN 10025-3

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 2+

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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	355	
	40	345	
	63	335	
	80	325	
	100	315	
	140	295	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	100	470	
	140	630	
	100	450	
	140	600	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
Elongation	Nominal thickness (mm)	Values (%)	EN 10025-1:2004
	>	min	
	≤	max	
	40	22	
	63	22	
	100	21	
	140	21	
	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
	140	40 at -20°C	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	63	0,43	
	100	0,45	
	140	0,45	
Weldability	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	63	0,43	
	100	0,45	
	140	0,45	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	Durability (Chemical composition)	Nominal thickness (mm)	
>		min	
≤		max	
140		C : 0,22 P : 0,035	
		Si : 0,55 S : 0,030	
		Ti : 0,06 Nb : 0,06	
		Cr : 0,35 V : 0,14	
		Mo : 0,13 Cu : 0,60	
		Ni : 0,55 N : 0,017	
		Mn : 0,85 Mn: 1,75	



ArcelorMittal

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

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

Code of the product type: **1.0577**

1) 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

2) ArcelorMittal Warszawa Sp. z o.o.

Ul. Kasprowicza 132

01-949 Warsaw - Poland

Tel: +48 (22) 835 8000

Fax: +48 (22) 835 4222

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sections.arcelormittal.com

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:

Dorota Pietrzyk
Head of Quality Control Dept.

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	
Tensile strength	16	355	
	40	345	
	63	335	
	80	325	
	100	315	
	140	295	
Elongation	Nominal thickness (mm)	Values (MPa)	EN 10025-1:2004
	>	min	
	≤	max	
	100	470	
Impact strength	140	450	
	>	min	
	≤	max	
	140	27 at -20°C	
	Nominal thickness (mm)	Values (%)	
	>	min	
Weldability	40	22	
	63	21	
	100	20	
	140	18	
Durability (Chemical composition)	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
	140	27 at -20°C	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	0,45	
	30	0,47	
	40	0,47	
	140	0,47	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	C* : 0,20	
	140	Cu : 0,55	
Durability (Chemical composition)		Si : 0,55	
		Mn : 1,60	
		P : 0,030	
		S : 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)			



ArcelorMittal

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

No. AMW-2/08-CPR-13-1

- 1) Code of the product type: **1.0553**
2) Type: **Sections/Bars S355J0 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 Warszawa Sp. z o.o.
Ul. Kasprzycza 132
01-949 Warsaw - Poland
Tel: +48 (22) 835 8000
Fax: +48 (22) 835 4222
www.arcelormittal-warszawa.com
sections.arcelormittal.com

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:

Dorota Pietrzyk
Head of Quality Control Dept.

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 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		
	16	355		
	40	345		
Tensile strength	Nominal thickness (mm)	min		
		>		max
		=3	470	
		100	450	
		140	600	
Elongation	Nominal thickness (mm)	Values (%)		
		>	min	
		=3	22	
		40	21	
		63	20	
Impact strength	Nominal thickness (mm)	Values (J)		
		>	min	
		140	27 at 0°C	
		Weldability	Nominal thickness (mm)	Values (%)
				>
30	0,45			
40	0,47			
140	0,47			
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
		>	max	
		140	C* : 0,20 Si : 0,55 Mn : 1,60 P : 0,035 Cu : 0,55 S : 0,035 N** : 0,012	
<p>* For nominal thickness > 30 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</p>				



ArcelorMittal

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

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

Code of the product type: **1.0045**

1) 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

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

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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	355			
	40	345			
Tensile strength	Nominal thickness (mm)	Values (MPa)			
	>	min			
	≤	max			
	=3	470			
	100	630			
	140	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)			
	>	min			
	≤	max			
	140	27 at +20°C			
	Weldability	Nominal thickness (mm)		Values (%)	
		>		max	
≤		max			
30		0,45			
40		0,47			
140		0,47			
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)			
	>	max			
	≤	max			
	140	C* : 0,24 Cu : 0,55 Si : 0,55 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				



ArcelorMittal

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

No. AMW-2/06-CPR-13-1

1) Code of the product type: **1.0145**

2) Type: **Sections/Bars S275J2 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+

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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			
	40	265			
Tensile strength	Nominal thickness (mm)	Values (MPa)	EN 10025-1:2004		
	>	min			
	≤	max			
	100	410			
	140	400			
	540	540			
Elongation	Nominal thickness (mm)	Values (%)			
	>	min			
	≤	max			
	3	23			
	40	22			
	63	21			
Impact strength	Nominal thickness (mm)	Values (J)			
	>	min			
	≤	max			
	140	27 at -20°C			
	Weldability			Values (%)	
	>	max			
30	0.40				
40	0.40				
Durability (Chemical composition)		Values (%)			
>	max				
140	C* : 0,18				
	Mn : 1,50				
	P : 0,030				
	Cu : 0,55				
		S : 0,030			
* 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)					



ArcelorMittal

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

No. AMW-2/05-CPR-13-1

1) Code of the product type: **1.0143**

2) Type: **Sections/Bars S275J0 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 2+

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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		
	16	275		
	40	265		
	63	255		
	80	245		
	100	235		
	140	225		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	>	≤	min	
		100	410	max
	140	400	560	
			540	
Elongation	Nominal thickness (mm)	Values (%)		
	>	≤	min	
		3	23	
		40	22	
		63	21	
	100	19		
Impact strength	Nominal thickness (mm)	Values (J)		
	>	≤	min	
	140	27 at 0°C		
Weldability	Nominal thickness (mm)	Values (%)		
	>	≤	max	
		30	0,40	
		40	0,40	
		140	0,42	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
	>	≤	max	
	140	C* : 0,18 Mn : 1,50 P : 0,035 Cu : 0,55 S : 0,035 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.				

EN 10025-1:2004



ArcelorMittal

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

No. AMW-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

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Ul. Kasprzowicza 132

01-949 Warsaw - Poland

Tel: +48 (22) 835 8000

Fax: +48 (22) 835 4222

www.arcelormittal-warszawa.com
sections.arcelormittal.com

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:

Dprota Pietrzyk
Head of Quality Control Dept.

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	275	
	40	265	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min	max
	≤	410	560
	100	400	540
	140		
	100		
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	23	
	40	22	
	63	21	
	100	19	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	27 at +20°C	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	0.40	
	30	0.40	
	40	0.42	
	140		
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	Cu : 0,21 Mn : 1,50 P : 0,040	Cu : 0,55 S : 0,040 N** : 0,012
		140	

* 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

EN 10025-1:2004



ArcelorMittal

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

No. AMW-2/03-CPR-13-1

1) Code of the product type: **1.0117**

2) Type: **Sections/Bars S235J2 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 Warszawa Sp. z o.o.

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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:

Dorota Pietrzyk
Head of Quality Control Dept.

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)	
	>	min	
	≤	235	
	16	40	
	40	225	
Tensile strength	Nominal thickness (mm)	Values (MPa)	EN 10025-1:2004
	>	min	
	≤	max	
	≅3	360	
	100	350	
	140	510	
Elongation	Nominal thickness (mm)	Values (%)	EN 10025-1:2004
	>	min	
	≤	max	
	≅3	40	
	40	26	
	63	25	
Impact strength	Nominal thickness (mm)	Values (J)	EN 10025-1:2004
	>	min	
	≤	max	
	140	27 at -20°C	
	Nominal thickness (mm)	Values (%)	
	>	max	
Weldability	Nominal thickness (mm)	Values (%)	EN 10025-1:2004
	>	max	
	≤	0,35	
	30	0,35	
	40	0,35	
	140	0,38	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	EN 10025-1:2004
	>	max	
Durability (Chemical composition)	≤	C* : 0,17 Mn : 1,40 P : 0,030	EN 10025-1:2004
	140	Cu : 0,55 S : 0,030	
* 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)			



ArcelorMittal

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

- No. AMW-2/02-CPR-13-1
- 1) Code of the product type: **1.0114**
- 2) Type: **Sections/Bars S235J0 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:

Dorota Piętrzyk
Head of Quality Control Dept



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)	EN 10025-1:2004
	>	min	
	100	360	
	140	350	
	510	max	
	500	max	
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	3	26	
	40	25	
	63	24	
	100	22	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	140	27 at 0°C	
	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0.35	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	C* : 0,17 Mn : 1,40 P : 0,035 Cu : 0,55 S : 0,035 N** : 0,012
	>	max	
	140	max	
	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0.35	

* 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. AMW-2/01-CPR-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) ArcelorMittal Warszawa Sp. z o.o.

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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:

Dorota Pielczyk
Head of Quality Control Dept.

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification		
Tolerances on dimensions and shape	Angles	EN10056-2			
	I and H sections	EN 10034			
Yield strength	Tapered Flange I	EN 10024			
	UPE, UPN	EN 10279			
	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			
	80				
	100	195			
	140				
Tensile strength	Nominal thickness (mm)	Values (MPa)			
	>	≤		min	max
	=3	100		360	510
	100	140	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	
	30	40		0,35	
	40	140	0,38		
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		
<p>* For nominal thickness > 40 mm C: 0,20. For nominal thickness > 100 mm: C content upon agreement.</p> <p>** 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.</p>					

EN 10025-1:2004