



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 to 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		EN 10025-1:2004
	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		
		16	460		
	16	40	440		
	40	63	430		
	63	80	410		
	80	100	400		
100	140	380			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
		40	540	720	
	40	63	540	720	
	63	80	540	720	
	80	100	540	720	
	100	140	530	710	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
		140	17		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 at -50°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		63	0,53		
	63	100	0,54		
	100	140	0,55		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,22 Ti : 0,06 Si : 0,65 Cr : 0,35 P : 0,030 Mo : 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 to 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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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	
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	460	
	16	40	440	
	40	63	430	
	63	80	410	
	80	100	400	
100	140	380		
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
		40	540	720
	40	63	540	720
	63	80	540	720
	80	100	540	720
	100	140	530	710
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
		140	17	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		140	20 at -20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		63	0,53	
	63	100	0,54	
100	140	0,55		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	min	max
		140		C : 0,22 Ti : 0,06 Si : 0,65 Cr : 0,35 P : 0,035 Mo : 0,13 S : 0,030 Ni : 0,85 Nb : 0,06 Cu : 0,60 V : 0,22 N : 0,027
		Mn : 0,95	Mn: 1,80	

EN 10025-1:2004



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 to 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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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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
		100	470	630	
	100	140	450	600	
	Elongation	Nominal thickness (mm)		Values (%)	
>		≤	min		
		40	22		
40		63	22		
63		100	21		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 at -50°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		63	0,43		
	63	100	0,45		
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	



ArcelorMittal

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

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

1) Code of the product type: **S355N**

According to 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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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	
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
100	140	295		
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
		100	470	630
	100	140	450	600
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
		40	22	
	40	63	22	
	63	100	21	
100	140	21		
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		140	40 at -20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		63	0,43	
	63	100	0,45	
100	140	0,45		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	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

EN 10025-1:2004



ArcelorMittal

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

No. AMW-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

- 3) ArcelorMittal Warszawa Sp. z o.o.
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System 2+

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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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	=3	40	22		
	40	63	21		
	63	100	20		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 at -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		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)				



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

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System 2+

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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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
100	140	295			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	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 0°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
40	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	
* 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					



ArcelorMittal

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

No. AMW-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

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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		EN 10025-1:2004
	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		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	22		
	40	63	21		
	63	100	20		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 at +20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
Durability (Chemical composition)	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. 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 2+

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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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	275		
	16	40	265		
	40	63	255		
	63	80	245		
	80	100	235		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	=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		
	30	40	0,40		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		140	C* : 0,18	Cu : 0,55	
			Mn : 1,50	S : 0,030	
		P : 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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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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		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		
	≤3	40	23		
	40	63	22		
	63	100	21		
	100	140	19		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 at 0°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,40		
	30	40	0,40		
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					



ArcelorMittal

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

No. AMW-2/04-CPR-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

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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:

Drota 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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	275		
	16	40	265		
	40	63	255		
	63	80	245		
	80	100	235		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	=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		
	30	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					



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.
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:

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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	235		
	16	40	225		
	40	63	215		
	63	80			
	80	100			
100	140	195			
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 Mn : 1,40 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-2/02-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

- 3) ArcelorMittal Warszawa Sp. z o.o.
Ul. Kasprowicza 132
01-949 Warsaw - Poland
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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 Piętrzyk
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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	235		
	16	40	225		
	40	63	215		
	63	80			
	80	100	195		
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 0°C			
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,35		
	30	40	0,35		
	40	0,38			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		140	C* : 0,17 Mn : 1,40 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.					



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 Pielrzyk
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		
	Flat / Square / Round / T bars		EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	235		
	16	40	225		
	40	63	215		
	63	80			
	80	100			
100	140	195			
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 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					