ArcelorMittal

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

No. AMOS-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 Ostrava a.s.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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℃		
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	
	* 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				

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

No. AMOS-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 Ostrava a.s.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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 0℃		
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 : 0,035	
			P : 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. AMOS-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 Ostrava a.s.
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70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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℃		
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 : 0,030	
			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. AMOS-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

3) ArcelorMittal Ostrava a.s.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
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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. 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 Dorňák
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		
	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 +20℃		
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* : 0,21	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-2/05-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

3) ArcelorMittal Ostrava a.s.
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Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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℃		
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	Cu : 0,55	
			Mn : 1,50	S : 0,035	
			P : 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. AMOS-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

3) ArcelorMittal Ostrava a.s.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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 -20℃		
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	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)				

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.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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 +20℃		
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* : 0,24	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				

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

No. AMOS-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 Ostrava a.s.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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℃		
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	Cu : 0,55	
			Si : 0,55	S : 0,035	
			Mn : 1,60	N** : 0,012	
			P : 0,035		
	* 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. AMOS-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 Ostrava a.s.
Vratimovska 689
70702 Ostrava Kuncice
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Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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 -20℃		
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	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. AMOS-2/10-CPR-13-1

1) Code of the product type: **1.0596**

2) Type: **Sections/Bars S355K2 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.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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	40 at -20℃		
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	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. AMOS-4/03-CPR-13-1

1) Code of the product type: **1.8823**

2) Type: **Sections/Bars S355M according EN 10025-4**

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.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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			
	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	325			
	100	140	320			
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**			
	>	≤	min	max		
		40	470	630		
	40	63	450	610		
	63	80	440	600		
	80	100	440	600		
	100	140	430	590		
Elongation	**Nominal thickness (mm)**		**Values (%)**			
	>	≤	min			
		140	22			
Impact strength	**Nominal thickness (mm)**		**Values (J)**			
	>	≤	min			
		140	40 at -20℃			
Weldability	**Nominal thickness (mm)**		**Values (%)**			
	>	≤	max			
		16	0,39			
	16	40	0,39			
	40	63	0,40			
	63	140	0,45			
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**			
	>	≤	min	max		
		140		C : 0,16 Mn : 1,60 Si : 0,50 P : 0,035 S : 0,030 Nb : 0,05 V : 0,10	Ti : 0,05 Cr : 0,30 Mo : 0,10 Ni : 0,50 Cu : 0,55 N : 0,015	
			Al* : 0,02			
	* If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply					

ArcelorMittal

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

No. AMOS-4/05-CPR-14-1

1) Code of the product type: **S420M**

According EN 10025-4

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
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 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:

Alan Dorňák
Director of Rolling Mills

Date : 01.11.2014

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	420		
	16	40	400		
	40	63	390		
	63	80	380		
	80	100	370		
	100	140	365		
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**		
	>	≤	min	max	
		40	520	680	
	40	63	500	660	
	63	80	480	640	
	80	100	470	630	
	100	140	460	620	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
		140	19		
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		140	40 at -20℃		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	max		
		16	0,43		
	16	40	0,45		
	40	63	0,46		
	63	140	0,47		
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		140		C : 0,18 Ti : 0,05 Mn : 1,70 Cr : 0,30 Si : 0,50 Mo : 0,20 P : 0,035 Ni : 0,80 S : 0,030 Cu : 0,55 Nb : 0,05 N : 0,025 V : 0,12	
			Al* : 0,02		
	* If sufficient other nitrogen binding elements are present, the minimum aluminium requirement does not apply				

ArcelorMittal

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

No. AMOS-5/01-CPR-13-1

1) Code of the product type: **1.8959**

2) Type: **Sections/Bars S355J0W according EN 10025-5**

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.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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		
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**		
	>	≤	min	max	
	=3	40	470	630	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
	=3	40	22		
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		40	27 at 0℃		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	NPD		
		16			
	16	40			
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		40		C : 0,16 Si : 0,50 P : 0,040	S : 0,040 N* : 0,009
			Mn : 0,50 Cu : 0,25 Cr : 0,40	Mn : 1,50 Cu : 0,55 Cr : 0,80	
	* It is permissible to exceed the specified values provided that for each increase of 0,001 % N, the Pmax content will be reduced by 0,005%; the N content of the ladle analysis, however, shall not be more than 0,012%. 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. The N binding elements shall be mentioned in the inspection document.				
	The steels may show a Ni content of max. 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr.				

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

No. AMOS-5/02-CPR-13-1

1) Code of the product type: **1.8965**

2) Type: **Sections/Bars S355J2W according EN 10025-5**

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.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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		
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**		
	>	≤	min	max	
	=3	40	470	630	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
	=3	40	22		
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		40	27 at -20℃		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	NPD		
		16			
	16	40			
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		40		C : 0,16 Si : 0,50 P : 0,035	S : 0,035 N* : 0,009
			Mn : 0,50 Cu : 0,25 Cr : 0,40	Mn : 1,50 Cu : 0,55 Cr : 0,80	
	* It is permissible to exceed the specified values provided that for each increase of 0,001 % N, the Pmax content will be reduced by 0,005%; the N content of the ladle analysis, however, shall not be more than 0,012%. 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.				
	Addition of nitrogen binding elements: the steels shall contain at least one of the following elements: Al total ≥ 0,020%, Nb: 0,015 - 0,060%, V: 0,02-0,12%, Ti: 0,02 - 0,10%. If these elements are used in combination, at least one of them shall be present with the minimum content indicated.				
	The steels may show a Ni content of max. 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr.				
	Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% Al)				

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

No. AMOS-5/03-CPR-13-1

1) Code of the product type: **1.8967**

2) Type: **Sections/Bars S355K2W according EN 10025-5**

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.
Vratimovska 689
70702 Ostrava Kuncice
Czech Republic
Tel. +420 59 733 1111
sections.arcelormittal.com

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 Dorňák
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		
	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		
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**		
	>	≤	min	max	
	=3	40	470	630	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
	=3	40	22		
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		40	40 at -20℃		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	NPD		
		16			
	16	40			
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		40		C : 0,16 Si : 0,50 P : 0,035	S : 0,035 N* : 0,009
			Mn : 0,50 Cu : 0,25 Cr : 0,40	Mn : 1,50 Cu : 0,55 Cr : 0,80	
	* It is permissible to exceed the specified values provided that for each increase of 0,001 % N, the Pmax content will be reduced by 0,005%; the N content of the ladle analysis, however, shall not be more than 0,012%. 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.				
	Addition of nitrogen binding elements: the steels shall contain at least one of the following elements: Al total ≥ 0,020%, Nb: 0,015 - 0,060%, V: 0,02-0,12%, Ti: 0,02 - 0,10%. If these elements are used in combination, at least one of them shall be present with the minimum content indicated.				
	The steels may show a Ni content of max. 0,65%. The steels may contain max. 0,30% Mo and max. 0,15% Zr.				
	Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% Al)				