ArcelorMittal

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

No. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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				

ArcelorMittal

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

No. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°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 : 0,035	
			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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°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* : 0,21 Mn : 1,50 P : 0,040	Cu : 0,55 S : 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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°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 : 0,030	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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°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* : 0,24 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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°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	Cu : 0,55 S : 0,030 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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°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	Cu : 0,55 S : 0,030 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. AMEB-2/11-CPR-13-1

1) Code of the product type: **1.0590**

2) Type: **Sections/Bars S450J0 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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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	450		
	16	40	430		
	40	63	410		
	63	80	390		
	80	100	380		
	100	140	380		
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**		
	>	≤	min	max	
	=3	100	550	720	
	100	140	530	700	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
	=3	40	17		
	40	63			
	63	100			
	100	140			
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		140	27 at 0°C		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	max		
		30	0,47		
	30	40	0,49		
	40	140	0,49		
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	max		
		140	C* : 0,20 Si : 0,55 Mn : 1,70 P : 0,035	Cu : 0,55 S : 0,035 N** : 0,025	
	* 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				
	The steel may show a Nb content of max. 0,05%, a V content of max. 0,13% and a Ti content of max. 0,05%.				
	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. AMEB-4/01-CPR-13-1

1) Code of the product type: **1.8818**

2) Type: **Sections/Bars S275M 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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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	245		
	100	140	240		
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**		
	>	≤	min	max	
		40	370	530	
	40	63	360	520	
	63	80	350	510	
	80	100	350	510	
	100	140	350	510	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
		140	24		
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		140	40 at -20°C		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	max		
		16	0,34		
	16	40	0,34		
	40	63	0,35		
	63	140	0,38		
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		140		C : 0,15 Ti : 0,05 Mn : 1,50 Cr : 0,30 Si : 0,50 Mo : 0,10 P : 0,035 Ni : 0,30 S : 0,030 Cu : 0,55 Nb : 0,05 N : 0,015 V : 0,08	
			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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°C		
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 Ti : 0,05 Mn : 1,60 Cr : 0,30 Si : 0,50 Mo : 0,10 P : 0,035 Ni : 0,50 S : 0,030 Cu : 0,55 Nb : 0,05 N : 0,015 V : 0,10	
			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. AMEB-4/04-CPR-13-1

1) Code of the product type: **1.8834**

2) Type: **Sections/Bars S355ML 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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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	125	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	125	430	590	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
		140	22		
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		140	27 at -50°C		
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 Ti : 0,05 Mn : 1,60 Cr : 0,30 Si : 0,50 Mo : 0,10 P : 0,030 Ni : 0,50 S : 0,025 Cu : 0,55 Nb : 0,05 N : 0,015 V : 0,10	
			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. AMEB-4/07-CPR-13-1

1) Code of the product type: **1.8827**

2) Type: **Sections/Bars S460M 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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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	460		
	16	40	440		
	40	63	430		
	63	80	410		
	80	100	400		
	100	140	385		
Tensile strength	**Nominal thickness (mm)**		**Values (MPa)**		
	>	≤	min	max	
		40	540	720	
	40	63	530	710	
	63	80	510	690	
	80	100	500	680	
	100	140	490	660	
Elongation	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min		
		140	17		
Impact strength	**Nominal thickness (mm)**		**Values (J)**		
	>	≤	min		
		140	40 at -20°C		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	max		
		16	0,45		
	16	40	0,46		
	40	63	0,47		
	63	140	0,48		
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		140		C : 0,18 Ti : 0,05 Mn : 1,70 Cr : 0,30 Si : 0,60 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. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°C		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	NPD		
		16			
	16	40			
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		40		C : 0,16 S : 0,040 Si : 0,50 N* : 0,009 P : 0,040	
			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.				

ArcelorMittal

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

No. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
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Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°C		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	NPD		
		16			
	16	40			
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		40		C : 0,16 S : 0,035 Si : 0,50 N* : 0,009 P : 0,035	
			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)				

ArcelorMittal

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

No. AMEB-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 Belval and Differdange S.A
Site of Esch-Belval
Boulevard Charles de Gaulle
L-4008 Esch-sur-Alzette (G.D. of Luxembourg)
Tel: +352 5820 2870
www.arcelormittal.com/sections

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

Notified factory production control certification body No. 0769 Karlsruher Institut für Technologie (KIT) - Versuchsanstalt für Stahl, Holz und Steine 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:

Roland Bastian
Site Manager Esch-Belval

Christophe Houyoux
Quality Manager

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°C		
Weldability	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	NPD		
		16			
	16	40			
Durability (Chemical composition)	**Nominal thickness (mm)**		**Values (%)**		
	>	≤	min	max	
		40		C : 0,16 S : 0,035 Si : 0,50 N* : 0,009 P : 0,035	
			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)				