

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
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. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	Square		EN 10059	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	235	
	16	40	225	
	40	63	215	
	63	80		
	80	100		
	100	150	195	
150	160	185		
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
	=3	100	360	510
	100	140	350	500
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
	=3	40	26	
	40	63	25	
	63	100	24	
100	140	22		
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		140	27 at +20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		30	0,35	
	30	40	0,35	
40	140	0,38		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		140	C* : 0,17 Mn : 1,40 P : 0,040	Cu : 0,55 S : 0,040 N** : 0,012
* For nominal thickness > 40 mm C: 0,20. For nominal thickness >100 mm: C content upon agreement				
** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present				

EN 10025-1:2004

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
www.arcelormittal.com/sections

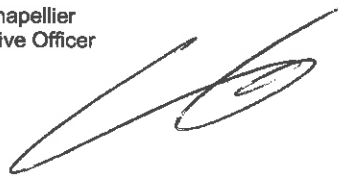
System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	Square		EN 10059	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	235	
	16	40	225	
	40	63	215	
	63	80		
	80	100		
	100	150	195	
150	160	185		
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 Mn : 1,40 P : 0,035	Cu : 0,55 S : 0,035 N** : 0,012
* For nominal thickness >100 mm: C content upon agreement.				
** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present				

EN 10025-1:2004

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
www.arcelormittal.com/sections

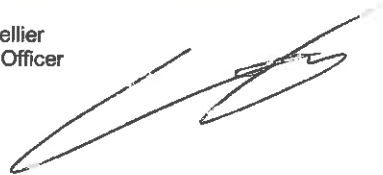
System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	Angles		EN 10056-2		EN 10025-1:2004
	Square		EN 10059		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	235		
	16	40	225		
	40	63	215		
	63	80			
	80	100			
	100	150	195		
150	160	185			
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)					

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
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. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	Square		EN 10059	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
	100	150	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	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		140	27 at +20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		30	0,40	
	30	40	0,40	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		140	C* : 0,21 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				

EN 10025-1:2004

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
www.arcelormittal.com/sections

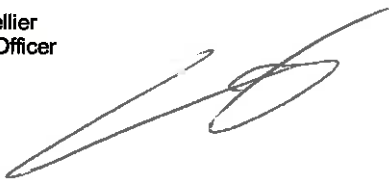
System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	Square		EN 10059	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
	=3	100	410	560
	100	140	400	540
			215	
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
	=3	40	23	
	40	63	22	
	63	100	21	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		140	27 at 0°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		30	0,40	
	30	40	0,40	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		140	C* : 0,18	Cu : 0,55
			Mn : 1,50	S : 0,035
		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				

EN 10025-1:2004

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
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. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	Square		EN 10059	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	275	
	16	40	265	
	40	63	255	
	63	80	245	
	80	100	235	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
	=3	100	410	560
	100	140	400	540
	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)				

EN 10025-1:2004

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
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. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	Angles		EN 10056-2		EN 10025-1:2004
	Square		EN 10059		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
		150	295		
		160	285		
	Elongation	Nominal thickness (mm)		Values (%)	
>		≤	min		
=3		40	22		
40		63	21		
63		100	20		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 at +20°C		
		140	27 at +20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		140	C* : 0,24	Cu : 0,55	
		140	Si : 0,55	S : 0,040	
	140	Mn : 1,60	N** : 0,012		
	140	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. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
www.arcelormittal.com/sections

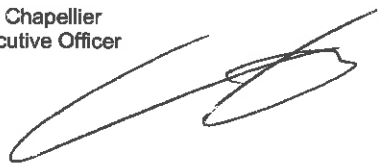
System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	Angles		EN 10056-2		EN 10025-1:2004
	Square		EN 10059		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
	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	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					

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
www.arcelormittal.com/sections

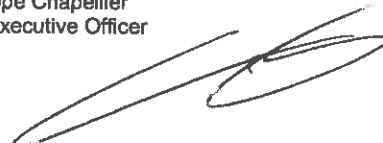
System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	Square		EN 10059	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
	=3	100	470	630
	100	140	450	600
		150	295	
		160	285	
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
	=3	40	22	
	40	63	21	
	63	100	20	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		140	27 at -20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		30	0,45	
	30	40	0,47	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		140	C* : 0,20 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)				

EN 10025-1:2004

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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
www.arcelormittal.com/sections

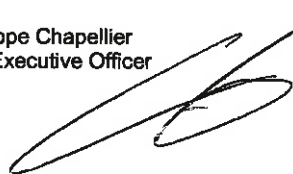
System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer



Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	Angles		EN 10056-2	
	Square		EN 10059	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
	100	150	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	
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	
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)				

EN 10025-1:2004



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

No. AMRO-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 Rodange & Schifflange S.A.
2, rue de l'industrie
L-4823 Rodange (G.D. of Luxembourg)
Tel: +352 5019 2366
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. 0098 Germanischer Lloyd (GL) 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:

Philippe Chapellier
Chief Executive Officer

Date : 01.07.2013

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	Angles		EN10056-2		EN 10025-1:2004
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