

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

Essential characteristic			Perfor	Performance	
Tolerances on	Angles		EN 10056-2		specification
dimensions and shape		Square	EN 1	0059	
Yield strength	Non	ninal thickness (mm)	Values	(MPa)	-
	>	≤		nin	
		16		35	
	16	40		25	
	40	63			7
	63	80	2	15	
	80	100	1		
	100	150	1	95	7
	150	160	1	85	7
Tensile strength	Nominal thickness (mm)		Values (MPa)		_
	>	≤	min	max	7
	=3	100	360	510	7
	100	140	350	500	7
Elongation	Nominal thickness (mm)		Value	es (%)	EN 10025-1:2004
	>	≤		min	
	=3	40	26		
	40	63	2	25	
	63	100	2	24	
	100	140	2	22	
Impact strength	Norr	ninal thickness (mm)	Values (J)		7
	>	≤	min		7
		140	27 at	+20°C	
Weldability	Norr	ninal thickness (mm)	Value	es (%)	7
	>	≤	m	ax	
		30	0,	35	7
	30	40	0,	35	
	40	140	0,	38	7
Durability	Non	inal thickness (mm)	Values (%)		7
(Chemical composition)	>	≤	m	ax	7
j		140	C*: 0,17	Cu: 0,55	7
			Mn: 1,40	S:0,040	
			P:0,040	N**: 0,012	
	* For nomin	nal thickness > 40 mm C: 0,20. For	nominal thickness >100 mm:	C content upon agreement	
	content of	. value for nitrogen does not apply 0,020% or if sufficient other N bind	if the chemical composition s	hows a minimum total Al	



No. AMRO-2/02-CPR-13-1

1) Code of the product type: 1.0114

2) Type: Sections/Bars \$235J0 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.

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Philippe Chapellier Chief Executive Officer

Essential characteristic			Performance		Harmonised technical specification
Tolerances on	Angles		EN 10056-2		
dimensions and shape		Square	EN ·	10059	
Yield strength	Noi	minal thickness (mm)	Value	s (MPa)	\dashv
	_ >	≤		nin	\neg
		16	2	35	7
	16	40	2	25	7
	40	63			7
	63	80] 2	15	
	80	100	1		
	100	150	1	95	7
	150	160	1	85	⊣
Tensile strength	No	minal thickness (mm)	Values (MPa)		
	>	≤	min	max	
	=3	100	360	510	_
	100	140	350	500	\neg
Elongation	No	minal thickness (mm)	Valu	es (%)	
'	>	≤	min		EN 10025-1:2004
	=3	40	26		
	40	63	25		_
	63	100		24	
	100	140		22	┪
Impact strength	No	minal thickness (mm)	Valu	ies (J)	┪
	>	≤		nin	
		140	27 a	at 0°C	\neg
Weldability	No	minal thickness (mm)	Valu	es (%)	7
	>	<u></u>	max		7
		30	0	,35	7
	30	40	0	,35	_
	40	140		,38	\neg
Durability	No	minal thickness (mm)	Valu	es (%)	\neg
(Chemical composition)	>	≤	rr	nax	
		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 AI				
	content o	ax. value for nitrogen does not apply f 0,020% or if sufficient other N bindi	if the chemical composition s ng elements are present	shows a minimum total Al	



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.
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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.

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Philippe Chapellier Chief Executive Officer

Essential characteristic			Perfo	Performance	
Tolerances on	Angles		EN	10056-2	specification
dimensions and shape		Square		10059	
Yield strength	Nom	inal thickness (mm)	Value	es (MPa)	_
- · · · · · · · · · · · · · · · · · · ·	>	<u>≤</u>		min	\dashv
		16		235	\dashv
	16	40		225	\dashv
	40	63			\dashv
	63	80	1 :	215	
	80	100	1		
	100	150		195	\neg
	150	160	185		\neg
Tensile strength	Nom	inal thickness (mm)	Value	es (MPa)	_
	>	≤	min	max	\neg
	=3	100	360	510	\neg
	100	140	350	500	\neg
Elongation	Nominal thickness (mm)		Valu	ues (%)	\neg
	>		min		EN 10025-1:2004
	=3	40	26		
	40	63	25		
	63	100		24	
<u> </u>	100	140		22	
Impact strength	Nom	inal thickness (mm)	Val	ues (J)	
	>	≤	min		
		140		it -20°C	
Weldability		inal thickness (mm)	Valu	ues (%)	
	>	≤		max	
		30		0,35	
	30	40		0,35	
D. Latin	40	140	0,38		
Durability		inal thickness (mm)	Values (%)		
(Chemical composition)	>	≤		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.				\dashv
	Fully killed :	steel containing nitrogen binding e s min. 0,02% Al)	element in amounts sufficient	t to bind the available nitrog	en



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.

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Philippe Chapellier Chief Executive Officer

Essential characteristic			Performance		Harmonised technical specification
Tolerances on		Angles	EN 1	0056-2	<u> </u>
dimensions and shape		Square	EN	10059	-
Yield strength	Nomi	nal thickness (mm)	Value	s (MPa)	4
_	>	≤		nin	-
		16		275	-
	16	40		265	\dashv
	40	63		255	\dashv
	63	80		245	-
	80	100		235	\dashv
	100	150		225	_
	150	160		215	_
Tensile strength	Nomi	nal thickness (mm)	Values (MPa)		\dashv
_	>	≤	min	max	7
	=3	100	410	560	\dashv
	100	140	400	540	
Elongation	Nomi	nal thickness (mm)	Valu	es (%)	_
	>	≤	min		EN 10025-1:2004
	=3	40	23		
	40	63	22		
	63	100		21	
	100	140		19	
Impact strength	Nomi	nal thickness (mm)	Values (J)		_
	>	≤	ľ	min	7
		140	27 at	+20°C	
Weldability	Nomi	nal thickness (mm)	Valu	les (%)	
	>	≤	n	nax	7
		30	С	,40	
	30	40		,40	7
	40	140	0	,42	
Durability		nal thickness (mm)	Values (%)		7
(Chemical composition)	>	≤		nax	
		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 0.0	ratue for nitrogen does not apply 120% or if sufficient other N bindl	if the chemical composition :	shows a minimum total Al	



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

1) Code of the product type: 1.0143

2) Type: Sections/Bars \$275J0 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.
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System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 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.

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Philippe Chapellier Chief Executive Officer

Essential characteristic			Performance		Harmonised technical specification
Tolerances on	Angles		EN 10056-2		
dimensions and shape		Square	EN	10059	
Yield strength	Nomi	nal thickness (mm)	Value	s (MPa)	\dashv
	_ >	≤		nin	
		16	2	75	
	16	40	2	265	_
	40	63	2	55	_
	63	80	2	.45	
	80	100	2	35	
	100	150	2	25	
	150	160		15	\neg
Tensile strength	Nominal thickness (mm)		Values (MPa)		\neg
	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nomi	inal thickness (mm)	Values (%)		
	>	≤	min		EN 10025-1:2004
	=3	40	23		
	40	63	22		
	63	100		21	\neg
	100	140		19	
Impact strength	Nomi	nal thickness (mm)	Valu	ies (J)	
	>	≤	min		
		140		at 0°C	
Weldability		nal thickness (mm)	Values (%)		
	>	<u>≤</u>	n	nax	
		30		,40	
	30	40		,40	
	40	140	0,42		
Durability		nal thickness (mm)	Values (%)		
(Chemical composition)	>	≤		тах	
		140	C* : 0,18	Cu: 0,55	-
			Mn : 1,50	S:0,035	
		al thickness >100 mm; C content o	P:0,035	N** : 0,012	
	** The may				
	content of 0,	value for nitrogen does not apply 020% or if sufficient other N bindi	n are chemical composition s ng elements are present	snows a minimum total Al	



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.

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Philippe Chapellier Chief Executive Officer

Essential characteristic			Perfo	Performance	
Tolerances on	Angles		EN 10056-2		specification
dimensions and shape		Square	EN	10059	
Yield strength	Nomin	al thickness (mm)	Value	es (MPa)	\dashv
	>	≤		min	
		16		275	~_
	16	40		265	
	40	63		255	
	63	80		245	
	80	100		235	\neg
	100	150		225	
	150	160	215		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nomin	al thickness (mm)	Values (%)		\neg
	>	≤	min		EN 10025-1:2004
	=3	40	23		
	40	63	22		
	63	100		21	
	100	140		19	
Impact strength	Nominal thickness (mm)		Values (J)		
	^	≤		min	
		140	27 a	at -20°C	
Weldability	Nomin	al thickness (mm)	Vale	ues (%)	\neg
	>	≤		max	
		30		0,40	
	30	40		0,40	
	40	140		0,42	
Durability	Nomin	al thickness (mm)	Values (%)		
(Chemical composition)	>	<u> </u>		max	
ĺ		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.		
	for example r	el containing nitrogen binding onin. 0,02% AI)	element in amounts sufficient	t to bind the available nitrog	en



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.

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Philippe Chapellier Chief Executive Officer

	al charac	teristic	Perfori	mance	Harmonised technical specification
Tolerances on	Angles		EN 10056-2		
dimensions and shape		Square	EN 10	0059	1
				 -	_
Yield strength	Nom	inal thickness (mm)	Values	(MPa)	\dashv
	>	≤	mi		7
		16	35	5	7
	16	40	34	5	٦
	40	63	33	5	7
	63	80	32		
	80	100	31		
	100	150	29		
	150	160	28		
Tensile strength		inal thickness (mm)	Values (MPa)		
	>	≤	min	max	
	=3	100	470	630	
71	100	140	450	600	
Elongation		inal thickness (mm)	Value		
	>	<u> </u>	min		EN 10025-1:2004
	=3	40	22		
	40	63	21		_
	63	100	20		
Impact strength	100	140	18		_
impact strength	Nom >	inal thickness (mm)	Values (J)		_
		<u>≤</u> 140	mi		_
Weldability	None	inal thickness (mm)	27 at -		-
vectuability	>	inai unckitess (mm) ≤	Value		-
		30			_
	30	40	0,2		-
	40	140	0,2		-
Durability		inal thickness (mm)	Value		-
(Chemical composition)	> 1	<u> </u>	ma	- 1/	-
, , , , , , , , , , , , , , , , , , , ,		140	C*: 0,24	Cu : 0,55	-
			Si: 0.55	S: 0,040	
			Mn : 1,60	N** : 0.012	
			P: 0.040	0,012	
	* For nomina	-			
	** The max.	value for nitrogen does not apply ,020% or if sufficient other N bindi	if the chemical composition sh	ows a minimum total Al	1



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

1) Code of the product type: 1.0553

2) Type: Sections/Bars \$355J0 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, boited and riveted structures

3) ArcelorMittal Rodange & Schifflange S.A.
2, rue de l'industrie
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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.

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Philippe Chapellier Chief Executive Officer

Essential characteristic			Performance		Harmonised technical specification
Tolerances on	Angles		EN 10056-2		
dimensions and shape		Square	EN 10	0059	1
					_
Yield strength	Nor	minal thickness (mm)	Values	(MPa)	-
i	^	≤	mi	n	1
		16	35	5	1
	16	40	34	5	1
	40	63	33	5	7
	63	80	32	5	7
	80	100	31:	5	7
	100	150	29	5	
	150	160	28	5	
Tensile strength	Nor	minal thickness (mm)	Values	(MPa)	7
	>	≤	min	max	1
	=3	100	470	630	7
	_ 100	140	450	600	7
Elongation	Nor	minal thickness (mm)	Values (%)		
	>		min		EN 10025-1:2004
	=3	40	22		
	40	63	21		
	63	100	20		
	100	140	18		
Impact strength		minal thickness (mm)	Value	s (J)	
	>	≤	mi		
		140	27 at		
Weldability		minal thickness (mm)	Values (%)		
	->	≤	ma		
		30	0,4		
	30	40	0,4		
P. 1.106	40	140	0,4		
Durability (Chemical composition)		minal thickness (mm)	Values		
(Chemical composition)	>	≤	ma		_
		140		Cu : 0,55	
				S: 0,035	
				N** : 0,012	
	* Facar	inel Abietrase > 20 - 0 C C C	P:0,035		_
	** The ma	inal thickness > 30 mm C: 0,22. For x. value for nitrogen does not apply	nominal thickness >100 mm: C	content upon agreement	-
	content of	0,020% or if sufficient other N bindi	ng elements are present	ATO A THEIRINGH LOLD AL	



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.

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Philippe Chapellier Chief Executive Officer

Essential characteristic			Perfo	Performance	
Tolerances on	Angles		EN 10056-2		specification
dimensions and shape		Square		10059	-
]
Yield strength	Non	ninal thickness (mm)	Value	s (MPa)	
	>	< (mm)		nin	-
	-	16		355	-
	16	40		345	-
	40	63		335	-
	63	80		325	
	80	100		315	-
	100	150		295	┥
	150	160	285		-
Tensile strength	Non	ninal thickness (mm)	Values (MPa)		1
	>	≤	min	max	┥
	=3	100	470	630	7
	100	140	450	600	
Elongation	Nominal thickness (mm)		Valu	es (%)	1
	>	≤	min		EN 10025-1:2004
	=3	40		22	7
	40	63	21		7
	63	100		20	7
	100	140		18	7
Impact strength	Non	ninal thickness (mm)	Values (J)		
	>	≤	r	nin	7
		140	27 at	t-20°C	
Weldability		ninal thickness (mm)	Values (%)		
	>	≤		nax	
		30		,45	
	30	40		,47	
Ph 5 219	40	140	0,47		
Durability (Chemical composition)		ninal thickness (mm)	Values (%)		_
(Grieniicai composition)	>	≤		nax	_
		140	C*: 0,20	Cu : 0,55	
			Si : 0,55	S:0,030	
	* Eas as	nd thiskness > 20 C. 2.22	Mn : 1,60	P:0,030	_
	Fully killed	nal thickness > 30 mm C: 0,22. For steel containing either binding e	nominal thickness >100 mm	: C content upon agreement to bind the available citrogen	. -
	(for examp	le min. 0,02% AI)			



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.
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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

Essenti	al charac	cteristic	Performance		Harmonised technical specification
Tolerances on	Angles		EN 10056-2		
dimensions and shape		Square	EN 1	0059	_
Yield strength	Non	ninal thickness (mm)	Values	(MPa)	
	>	≤	m	in	
		16	3	55	
	16	40	34	45	_
	40	63	33	35	
	_63	80	32	25	7
	80	100	3	15	7
	100	150	25	95	7
	150	160	2	35	
Tensile strength	Nominal thickness (mm)		Values (MPa)		_
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	7
Elongation	Non	inal thickness (mm)	Value	es (%)	_
	>	≤	min		EN 10025-1:2004
	=3	40	22		7
	40	63	21		
	63	100	2	.0	7
	100	140	1	8	
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	40 at	-20°C	
Weldability	Non	inal thickness (mm)	Values (%)		
	>	≤	m	ax	
		30	0,	45	
	30	40	0,	47	
	40	140		47	
Durability		inal thickness (mm)	Value	s (%)	
(Chemical composition)	>	≤		ax	
		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				t
<u>L</u> .	(for examp	steel containing nitrogen binding e le min. 0,02% Al)	nement in amounts sufficient to	o bind the available nitroge	n



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:

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Essential characteristic				Performance		
Tolerances on dimensions and shape	Angles El		EN10056-2		specification	
Yield strength		ninal thickness (mm)		Values (MP	a)	-
	>			min		7
		16		355		
	16	40		345		
	40	63		335		
	63	80		325		
	80	100	<u> </u>	325		
Tensile strength	100	140	 	320		
i ensile strøngtn		ninal thickness (mm)	-	Values (MP		
	>	≤	min		max	_
	40	40	470		630	_
	63	63 80	450		610	_
	80	100	440		600	_
	100	140	440		600	-
Elongation	Nominal thickness (mm)		430	Values (%)	590	-
	>	<u> </u>	waites (%)		EN 10025-1:2004	
	_	140	 	22	<u> </u>	-
Impact strength	Nominal thickness (mm)		Values (J)		_	
	> ≤		min			-
		140	40 at -20°C			-
Weldability	Non	ninal thickness (mm)	Values (%)		-	
-	>	≤	max		1	
		16		0,39	·	-
	16	40		0,39		1
	40	63	<u> </u>	0,40		7
	63	140		0,45		7
Durability	Non	ninal thickness (mm)		Values (%))	
(Chemical composition)	>	≤	min	r	nax	
		140	Al*: 0.02	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	
	* If sufficie not apply	nt other nitrogen binding elements	are present, the mi	nimum aluminium	requirement does	1