

(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic			Р	technical specification	
Tolerances on		Angles		EN10056-2	
dimensions and shape		I and H sections		EN 10034	
		Tapered Flange I		EN 10024	
		UPE, UPN		EN 10279	
	Flat /	Square / Round / T bars	EN 10058/EN 1	0059/EN 10060/EN 10055	
Yield strength	No	minal thickness (mm)	V	alues (MPa)	
	>	≤		min	
		16		235	
	16	40		225	
	40	63			
	63	80		215	
	80	100			
	100	140		195	
Tensile strength	No	minal thickness (mm)	V	alues (MPa)	
	>	≤	min	max	
	=3	100	360	510	
	100	140	350	500	
Elongation	No	minal thickness (mm)	Values (%)		
	>	≤		min	EN 10025-1:2004
	=3	40		26	
	40	63		25	
	63	100		24	
	100	140		22	
Impact strength	No	minal thickness (mm)		Values (J)	
	>	≤		min	
		140		27 at +20℃	
Weldability	No	minal thickness (mm)	,	Values (%)	
	>	≤		max	
		30		0,35	
	30	40		0,35	
	40	140		0,38	
Durability	No	minal thickness (mm)	Values (%)		
(Chemical composition)	>	≤		max	
		140	C*: 0,17	Cu: 0,55	
			Mn: 1,40	S: 0,040	
			P:0,040	N** : 0,012	
		ninal thickness > 40 mm C: 0,20. For			
		ax. value for nitrogen does not apply f 0,020% or if sufficient other N bind			
		.,	3 proco	·	



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic			Per	technical specification	
Tolerances on		Angles	EN	N10056-2	
dimensions and shape		I and H sections	E	EN 10034	
		Tapered Flange I		N 10024	
		UPE, UPN	Е	N 10279	
	Flat /	Square / Round / T bars	EN 10058/EN 100	059/EN 10060/EN 10055	
Yield strength	No	minal thickness (mm)	Val	ues (MPa)	
_	^	≤		min	
		16		235	
	16	40		225	
	40	63			
	63	80		215	
	80	100			
	100	140		195	
Tensile strength	No	minal thickness (mm)	Val	ues (MPa)	
	^	≤	min	max	
	=3	100	360	510	
	100	140	350	500	
Elongation	No	minal thickness (mm)	Va	alues (%)	
	>	≤		min	EN 10025-1:2004
	=3	40		26	
	40	63		25	
	63	100		24	
	100	140		22	
Impact strength	No	minal thickness (mm)	V	alues (J)	
	>	≤		min	
		140		7 at 0℃	
Weldability	No	minal thickness (mm)	Va	alues (%)	
	>	≤		max	
		30		0,35	
	30	40		0,35	
	40	140		0,38	
Durability		minal thickness (mm)	Values (%)		
(Chemical composition)	>	≤		max	
		140	C*: 0,17	Cu : 0,55	
			Mn: 1,40	S:0,035	
			P:0,035	N** : 0,012	
		ninal thickness >100 mm: C content ax. value for nitrogen does not apply		on shows a minimum total Al	
		f 0,020% or if sufficient other N bind		on snows a minimum total Al	



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic			Perfo	Harmonised technical specification	
Tolerances on		Angles	EN10	0056-2	
dimensions and shape		I and H sections	EN ·	10034	
		Tapered Flange I	EN	10024	
		UPE, UPN		10279	
	Flat /	Square / Round / T bars	EN 10058/EN 10059	9/EN 10060/EN 10055	
Yield strength	No	minal thickness (mm)	Value	s (MPa)	
	>	≤	n	nin	
		16	2	35	
	16	40	2	25	
	40	63			
	63	80] 2	215	
	80	100			
	100	140	1	95	
Tensile strength	No	minal thickness (mm)	Value	s (MPa)	
	۸	Y	min	max	
	=3	100	360	510	
	100	140	350	500	
Elongation	No	minal thickness (mm)	Valu	es (%)	
	>	≤		nin	EN 10025-1:2004
	=3	40		26	
	40	63		25	
	63	100		24	
	100	140		22	
Impact strength		minal thickness (mm)		ies (J)	
	>	≤		nin	
		140		:-20℃	
Weldability		minal thickness (mm)		es (%)	
	>	≤	max		
	00	30		,35	
	30	40		,35	
Demokilite	40	140	0,38 Values (%)		
Durability (Chemical composition)		minal thickness (mm)			
(Crieffical composition)	>	≤ 440		nax	
		140	C*: 0,17	Cu: 0,55	
			Mn: 1,40	S:0,030	
	* For now	inal thickness >100 mm: C content ι	P: 0,030		
		d steel containing nitrogen binding e		to bind the available nitrogen	
		ple min. 0,02% AI)			

Harmonisad



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

	Essential characteristic			formance	technical specification		
Tolerances on	Angles		EN10056-2		EN10056-2		
dimensions and shape	I and H sections		E	N 10034			
Ι Γ		Tapered Flange I	E	N 10024			
Ι Γ		UPE, UPN	E	N 10279			
	Flat /	Square / Round / T bars	EN 10058/EN 100	059/EN 10060/EN 10055			
Yield strength	Noi	minal thickness (mm)	Val	ues (MPa)			
	>	⊻		min			
		16		275			
	16	40		265			
	40	63		255			
	63	80		245			
	80	100		235			
	100	140		225			
Tensile strength	Nor	minal thickness (mm)	Val	ues (MPa)			
	^	≤	min	max			
Γ	=3	100	410	560			
	100	140	140 400 540				
Elongation	Nominal thickness (mm)		Va	alues (%)			
	>	Y	min		EN 10025-1:2004		
	=3	40	23				
	40	63		22			
	63	100		21			
	100	140		19			
Impact strength	Noi	minal thickness (mm)	V	alues (J)			
L	>	≤		min			
		140		at +20℃			
Weldability	Nor	minal thickness (mm)	Va	alues (%)			
L	>	≤		max			
		30		0,40			
L	30	40		0,40			
	40	140		0,42			
Durability	Nor	minal thickness (mm)	Values (%)				
(Chemical composition)	>	≤	max				
		140	C*: 0,21				
		inal thickness > 40 mm C: 0,22. For	P:0,040	N** : 0,012			
	* For nom ** The ma						



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Angles EN10056-2 I and H sections EN 10034 Tapered Flange I EN 10024 UPE, UPN EN 10279 Flat / Square / Round / T bars EN 10058/EN 10059/EN 10060/EN 10055 Yield strength Nominal thickness (mm) Values (MPa)	
Tarid H Sections	
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	
Flat / Square / Round / T bars EN 10058/EN 10059/EN 10060/EN 10055 Yield strength Nominal thickness (mm) Values (MPa) >	
Nominal thickness (mm) Values (MPa) > ≤ min 16 275 16 40 265	
> ≤ min 16 275 16 40 265	
16 275 16 40 265	
16 40 265	
40 62 255	
40 03 233	
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 EN 1002:	5-1:2004
=3 40 23	
40 63 22	
63 100 21	
100 140 19	
Impact strength Nominal thickness (mm) Values (J)	
> <u><</u> min	
140 27 at 0℃	
Weldability Nominal thickness (mm) Values (%)	
> <u>≤</u> max	
30 0,40	
30 40 0,40	
40 140 0,42	
Durability Nominal thickness (mm) Values (%)	
(Chemical composition) > \leq \text{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	

Harmonisad



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic			Perfo	rmance	technical specification		
Tolerances on		Angles	EN1	0056-2			
dimensions and shape		I and H sections	EN	10034			
		Tapered Flange I	EN	10024			
		UPE, UPN	EN	10279			
	Flat /	Square / Round / T bars	EN 10058/EN 10059	9/EN 10060/EN 10055			
Yield strength	No	minal thickness (mm)	Value	es (MPa)			
	>	≤	r	min			
		16	2	275			
	16	40	2	265			
	40	63	2	255			
	63	80	2	245			
	80	100	2	235			
	100	140	2	225			
Tensile strength	No	minal thickness (mm)	Value	es (MPa)			
	>	≤	min	max			
	=3	100	410	560			
	100	140	400	540			
Elongation	No	minal thickness (mm)	Values (%)				
	>	≤		min	EN 10025-1:2004		
	=3	40		23			
	40	63		22			
	63	100		21			
	100	140		19			
Impact strength		minal thickness (mm)		ues (J)			
	>	≤		min			
		140		t -20℃			
Weldability		minal thickness (mm)	1	ies (%)			
	>	≤	max				
		30),40			
	30 40	40		0,40			
Domahilita		140	0,42				
Durability (Chemical composition)		minal thickness (mm) ≤	Values (%)				
(Criemical composition)	>	140	max				
		140	C* : 0,18 Mn : 1,50	Cu: 0,55 S: 0,030			
			P: 0,030	3.0,030			
	* For non	ninal thickness >100 mm: C content					
	Fully kille	d steel containing nitrogen binding e		to bind the available nitrogen			
	(for exam	(for example min. 0,02% AI)					



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

K 250

House

Essential characteristic			Perfor	mance	Harmonised technical specification
Tolerances on		Angles	EN10	056-2	
dimensions and shape		I and H sections	EN 1	0034	
		Tapered Flange I		0024	
		UPE, UPN	EN 1	0279	
	Flat /	Square / Round / T bars	EN 10058/EN 10059	/EN 10060/EN 10055	
Yield strength	No	minal thickness (mm)	Values	s (MPa)	
_	>	≤	rr	in	
		16	39	55	
	16	40	34	45	
	40	63	33	35	
	63	80	32	25	
	80	100		15	
	100	140	29	95	
Tensile strength		minal thickness (mm)		(MPa)	
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)			es (%)	
	>	≤		in	EN 10025-1:2004
	=3	40		2	EN 10025-1.2004
	40	63		1	
	63	100	<u> </u>	0	
	100	140		8	
Impact strength		minal thickness (mm)		es (J)	
	>	≤		in	
VAZ - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	NI-	140	27 at		
Weldability		minal thickness (mm)		es (%)	
	>	≤ 30		ax 45	
	30	40	·	45 47	
	40	140	- /	47 47	
Durability		minal thickness (mm)	- /	es (%)	
(Chemical composition)	>		1	ax	
(Charmean Composition)		140	C* : 0,24	Cu : 0,55	
		140	Si : 0,55	S: 0,040	
			Mn : 1,60	N** : 0,012	
			P: 0,040		
		ninal thickness >100 mm: C content	upon agreement.		
	** The ma	ax. value for nitrogen does not apply f 0,020% or if sufficient other N bind	if the chemical composition sling elements are present	nows a minimum total Al	
			- 1		



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic			Perfor	technical specification	
Tolerances on		Angles	EN10	0056-2	
dimensions and shape		I and H sections	EN 1	10034	
		Tapered Flange I	EN 1	10024	
		UPE, UPN	EN 1	10279	
	Flat /	Square / Round / T bars	EN 10058/EN 10059	/EN 10060/EN 10055	
Yield strength	No	minal thickness (mm)	Values	s (MPa)	
	>	≤	n	nin	
		16	3	55	
	16	40	3	45	
	40	63	3	35	
	63	80	3	25	
	80	100		15	
	100	140		95	
Tensile strength	No	minal thickness (mm)		s (MPa)	
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	No	minal thickness (mm)		es (%)	
	>	≤		nin	EN 1000E 1,0004
	=3	40		22	EN 10025-1:2004
	40	63		21	
	63	100		20	
	100	140		18	
Impact strength		minal thickness (mm)		es (J)	
	>	≤		nin	
		140		ıt 0℃	
Weldability		minal thickness (mm)		es (%)	
	>	≤		nax	
	20	30	·	45	
	30 40	40 140		,47 ,47	
Durability		minal thickness (mm)		es (%)	
(Chemical composition)		ilinai ulickiless (Ililii) ≤		` '	
(Chemical composition)	>	140	C* : 0.20	nax Cu : 0,55	
		140	Si: 0,55	S: 0,035	
			Mn : 1,60	N** : 0,012	
			P: 0,035	IN . U,U 12	
	* For nom	ninal thickness > 30 mm C: 0,22. For		C content upon agreement	
	** The ma	ax. value for nitrogen does not apply	if the chemical composition s		
	content o	content of 0,020% or if sufficient other N binding elements are present			



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

I and H sections	Essential characteristic		Performance		technical specification	
Table Tabl	Tolerances on		Angles	EN	10056-2	-
UPE, UPN	dimensions and shape	I and H sections		EN	I 10034	
UPE, UPN						
Flat / Square / Round / T bars EN 10058/EN 10059/EN 10060/EN 10055			UPE, UPN			
Nominal thickness (mm) Values (MPa)		Flat /		EN 10058/EN 1005	59/EN 10060/EN 10055	
16	Yield strength			Valu	es (MPa)	
16	_	>	≤		min	
40			16		355	
63		16	40		345	
80		40	63		335	
Tensile strength		63	80		325	
Nominal thickness (mm)		80	100		315	
S S min max =3		100	140		295	
Elongation	Tensile strength	No	minal thickness (mm)	Valu	es (MPa)	
100		>	≤	min	max	
Nominal thickness (mm)		=3	100	470	630	
S S Min Min EN 10025-1:2004		100	140	450	600	
Section Sect	Elongation	Nominal thickness (mm)		Val	ues (%)	
40 63 21						EN 10025-1:2004
For nominal thickness > 30 mm C: 0,22. For nominal thickness > 100 min			-			
100					21	
Nominal thickness (mm)		63	100		20	
S S min		100	140		18	
140 27 at -20°C	Impact strength	No		Val	lues (J)	
Weldability Nominal thickness (mm) Values (%) > ≤ max 30 40 0,47 40 140 0,47 Durability (Chemical composition) Nominal thickness (mm) Values (%) > ≤ max 140 C* : 0,20 Cu : 0,55 Si : 0,55 S : 0,030 Mn : 1,60 P : 0,030 * For nominal thickness > 30 mm C: 0,22. For nominal thickness > 100 mm: C content upon agreement		>				
S S Max						
30	Weldability	No	1	Val	ues (%)	
30		>				
40						
Durability 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			-			
(Chemical composition) S						
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						
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	(Chemical composition)	>				
Mn : 1,60 P : 0,030 * For nominal thickness > 30 mm C: 0,22. For nominal thickness > 100 mm: C content upon agreement			140			
* For nominal thickness > 30 mm C: 0,22. For nominal thickness >100 mm: C content upon agreement						
		+ =	in all third areas 00 may 0, 0.00 F			
(for example min. 0,02% ÅI)					and a randord milegen	



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic			Performance		Harmonised technical specification
Tolerances on	Angles		EN10	0056-2	-
dimensions and shape	I and H sections		EN 1	10034	
		Tapered Flange I	EN 1	10024	
		UPE, UPN	EN 1	0279	
	Flat /	Square / Round / T bars	EN 10058/EN 10059	/EN 10060/EN 10055	
Yield strength	No	minal thickness (mm)	Values	s (MPa)	
	>	≤	m	nin	
		16	3	55	
	16	40	3	45	
	40	63	3	35	
	63	80	3	25	
	80	100	3	15	
	100	140	2	95	
Tensile strength	No	minal thickness (mm)	Values	s (MPa)	
	۸	¥	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	No	minal thickness (mm)	Value	es (%)	
	>	≤	min		EN 10025-1:2004
	=3	40	_	22	
	40	63		21	
	63	100		20	
	100	140		18	
Impact strength		minal thickness (mm)		es (J)	
	>	≤		nin	
144 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		140		-20℃	
Weldability		minal thickness (mm)	1	es (%)	
	>	≤		ax	
	00	30		45	
	30 40	40 140		47	
Durability		minal thickness (mm)	0,47		
(Chemical composition)		ininai unickness (inin) ≤	Values (%)		
(Onemical composition)	>	140	max C*: 0,20		
		140	Si : 0,55	S: 0,030	
			Mn : 1.60	P: 0.030	
	* For nor	ninal thickness > 30 mm C: 0,22. For		,	
	Fully kille	d steel containing nitrogen binding e ple min. 0,02% AI)			



(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

ri

Essential characteristic			Perf	ormance	Harmonised technical specification
Tolerances on		Angles	EN	10056-2	
dimensions and shape		I and H sections	EN	N 10034	
		Tapered Flange I		N 10024	
		UPE, UPN	EN	N 10279	
	Flat /	Square / Round / T bars	EN 10058/EN 100	59/EN 10060/EN 10055	
Yield strength		minal thickness (mm)	Valu	ies (MPa)	
_	>	≤ ,		min	
		16		450	
	16	40		430	
	40	63		410	
	63	80		390	
	80	100		380	
	100	140		380	
Tensile strength	Noi	minal thickness (mm)	Valu	ies (MPa)	
	>	≤	min	max	
	=3	100	550	720	
	100	140	530	700	
Elongation	Nominal thickness (mm)		kness (mm) Values (%)		
	>	≤	min		
	=3	40	17		
	40	63			EN 10025-1:2004
	63	100			
	100	140			
Impact strength		minal thickness (mm)	Va	lues (J)	
	>	≤	min		
		140		7 at 0℃	
Weldability		minal thickness (mm)	Va	lues (%)	
-	>	≤		max	
-		30		0,47	
-	30	40		0,49	
	40	140		0,49	
Durability		minal thickness (mm)	Va	lues (%)	
(Chemical composition)	>	≤	0* 0.00	max	
		140	C* : 0,20 Si : 0.55	Cu : 0,55 S : 0,035	
			Mn : 1,70	N** : 0,025	
			P: 0,035	N . 0,025	
	* For nom				
Ţ	FOI HOII	* 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 AI			
	** The ma	ax. value for nitrogen does not apply	if the chemical compositio	n shows a minimum total AI	
	** The ma	x. value for nitrogen does not apply f 0,020% or if sufficient other N bind	if the chemical compositio ling elements are present		
	** The ma content of The steel 0,05%.	ax. value for nitrogen does not apply	r if the chemical composition in the chemical composition in gelements are present 05%, a V content of max. 0,	13% and a Ti content of max.	



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic				Performance		
Tolerances on		Angles		EN10056-2		
dimensions and shape		I and H sections		EN 10034		
		Tapered Flange I		EN 10024		
		UPE, UPN		EN 10279		
	Flat /	Square / Round / T bars	EN 10058/E	N 10059/EN 1	0060/EN 10055	
Yield strength	No	minal thickness (mm)		Values (MPa	a)	
	>	≤		min		
		16		275		
	16	40		265		
	40	63		255		
	63	80		245		
	80	100		245		
	100	140		240		
Tensile strength	No	minal thickness (mm)		Values (MPa	a)	
	>	≤	min		max	
		40	370		530	
	40	63	360		520	
	63	80	350		510	
	80	100	350		510	
	100	140	350		510	
Elongation	No	minal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤		min		EN 10023-1.2004
		140		24		
Impact strength		minal thickness (mm)		Values (J)		
	>	≤		min		
		140		40 at -20℃		
Weldability		minal thickness (mm)		Values (%))	
	>	≤		max		
	16	16 40		0,34		
	16 40	63		0,34		
	63	140		0,35 0,38		
Durability		minal thickness (mm)		Values (%)		
(Chemical composition)	>	≤ (min)	min max			
(Charmean composition)		140	111111	C: 0,15	Ti : 0,05	
		140		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		
			AI* : 0,02			
	* If suffici not apply	ent other nitrogen binding elements	are present, the mi	ınımum aluminium ı	equirement does	
L	or apply					



(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

N 250

Molepus

Essential characteristic			Performance			Harmonised technical specification
Tolerances on		Angles	EN10056-2			
dimensions and shape	I and H sections			EN 10034		1
		Tapered Flange I		EN 10024		
		UPE, UPN		EN 10279		
	Flat /	Square / Round / T bars	EN 10058/E	N 10059/EN 10	060/EN 10055	
Yield strength		minal thickness (mm)		Values (MPa)		
3	> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		min			
		16		355		
	16	40		345		
	40	63		335		
	63	80		325		
	80	100		325		
	100	140		320		
Tensile strength	No	minal 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	No	minal thickness (mm)	Values (%)		EN 10025-1:2004	
	>	≤	min		LIN 10023-1.2004	
		140	22			
Impact strength		minal thickness (mm)		Values (J)		
	>	≤		min		
		140		40 at -20℃		
Weldability		minal thickness (mm)		Values (%)		
	>	≤		max		
		16		0,39		
	16	40		0,39		
	40	63		0,40		
5 1	63	140		0,45		
Durability (Chemical composition)		minal thickness (mm)	Values (%)			
(Chemical composition)	>	≤	min	m:		
		140		C : 0,16 Mn : 1,60	Ti: 0,05 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	0,0 10	
			AI* : 0,02	-,		
		ent other nitrogen binding elements	- , -	nimum aluminium re	quirement does	
	not apply					



(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

N 250

House

Essential characteristic			Performance			Harmonised technical specification
Tolerances on		Angles	EN10056-2			
dimensions and shape		and H sections		EN 10034		
		apered Flange I		EN 10024		
	UPE, UPN			EN 10279		
	Flat / S	quare / Round / T bars	EN 10058/EI	N 10059/EN 1	0060/EN 10055	
Yield strength		inal thickness (mm)	Values (MPa)			
3 .	>	≤		min	,	
		16		355		
	16	40		345		
	40	63		335		
	63	80		325		
	80	100		325		
	100	125		320		
Tensile strength	Nom	inal thickness (mm)		Values (MPa	a)	
	>	≤	min		max	
		40	470		630	
	40	63	450		610	
	63	80	440		600	
	80	100	440		600	
	100	125	430		590	
Elongation	Nom	inal thickness (mm)		Values (%)		EN 10025-1:2004
	>	≤	min		EN 10025-1.2004	
		140	22			
Impact strength		inal thickness (mm)		Values (J)		
	>	≤		min		
		140		27 at -50℃		
Weldability		inal thickness (mm)	Values (%)			
	>	≤		max		
	40	16	0,39			
	16	40		0,39		
	40	63		0,40		
Durability	63 Nam	140	0,45			
(Chemical composition)	>	inal thickness (mm) ≤	Values (%) min max			
(Chemical composition)	>	140	min	C: 0,16	Ti : 0,05	
		140		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	,	
			AI*: 0,02	, -		
	+ 16 (6' - '	t other nitrogen binding elements	are present the mi	nimum aluminium i	roquiroment doos	



(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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

N 250

House

Essential characteristic			technical specification		
Tolerances on		Angles			
dimensions and shape	i and it sections			EN 10034	
	Tapered Flange I			EN 10024	
	UPE, UPN			EN 10279	
	Flat /	Square / Round / T bars	EN 10058/E	i5	
Yield strength	No	minal thickness (mm)		Values (MPa)	
	^	≤	min		
		16	460		
	16	40		440	
	40	63		430	
	63	80		410	
	80	100		400	
	100	140		385	
Tensile strength		minal thickness (mm)		Values (MPa)	
	>	≤	min	max	_
	40	40	540	720	_
	40	63	530	710	_
	63	80	510	690	_
	80 100	100 140	500 490	680 660	_
Elongation		minal thickness (mm)	490	Values (%)	\dashv
Liongation	>		min		EN 10025-1:2004
		140		17	-
Impact strength	No	minal thickness (mm)		_	
	>	≤	Values (J) min		
		140		40 at -20℃	
Weldability	No	minal thickness (mm)		Values (%)	
	>	≤		max	
		16		0,45	
	16	40		0,46	
	40	63		0,47	
5	63	140	0,48		
Durability (Chamical composition)		minal thickness (mm)		Values (%)	_
(Chemical composition)	>	≤	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				
	or apply				



(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

Cloya

Essential characteristic			Performance			Harmonised technical specification
Tolerances on		Angles	EN10056-2			
dimensions and shape	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	No	minal thickness (mm)	Values (MPa)			
· ·	>	≤ ,		min	•	
		16		355		
	16	40		345		
Tensile strength	No	minal thickness (mm)		Values (MF	Pa)	
	^	⊻	min		max	
	=3	40	470		630	
Elongation	No	minal thickness (mm)		Values (%	n)	
	>	≤	min			
	=3	40	22			
Impact strength	No	minal thickness (mm)	Values (J)			
	>	≤	min			
		40		27 at 0℃		EN 10025-1:2004
Weldability	No	minal thickness (mm)		Values (%)		
	>	≤				
		16		NPD		
	16	40				
Durability		minal thickness (mm)		Values (%)		
(Chemical composition)	>	≤	min		max	
		40		C: 0,16 Si: 0,50 P: 0,040	S: 0,040 N*: 0,009	
			Mn: 0,50 Cu: 0,25 Cr: 0,40	Cu	: 1,50 : 0,55 : 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 AI 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 steel 0,15% Zr	s may show a Ni content of max. 0,6	5%. The steels ma	ay contain max. 0,	30% Mo and max.	



(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
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:

Date: 01.07.2013

Roland Bastian Site Manager Esch-Belval Christophe Houyoux Quality Manager

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Essential characteristic			Performance			technical specification
Tolerances on		Angles	EN10056-2			
dimensions and shape	I and H sections			EN 10	034	
		Tapered Flange I		EN 10	024	
		UPE, UPN		EN 10		
	Flat /	Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055		N 10060/EN 10055	
Yield strength	No	minal thickness (mm)	nm) Values (MPa)			
	>	≤	min			
		16		355		
	16	40		345	5	
Tensile strength	No	minal thickness (mm)		Values ((MPa)	
	>	≤	min		max	
	=3	40	470		630	
Elongation	No	minal thickness (mm)		Values	s (%)	
	>	≤	min			
	=3	40	22			
Impact strength	No	minal thickness (mm)	Values (J)			
	>	≤	min			
		40	27 at -20℃			
Weldability		minal thickness (mm)	Values (%)		EN 10025-1:2004	
	>	≤				
	40	16	NPD			
Daniel III.	16	40				
Durability (Chemical composition)		minal thickness (mm)		Values	` '	
(Chemical composition)	>	≤	min	0.04	max	
		40		C: 0,16	,	
				Si: 0,5 P: 0,03		
			Mn : 0,50		Mn : 1,50	
			Cu: 0,25		Cu: 0,55	
			Cr: 0,40		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.					
	0,15% Zr Fully kille	Is may show a Ni content of max. 0,6 d steel containing nitrogen binding el ple min. 0,02% AI)				



(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			technical specification
Tolerances on		Angles	EN10056-2			
dimensions and shape	I and H sections			EN 10034		
		Tapered Flange I		EN 10024		
		UPE, UPN		EN 10279		
	Flat /	Square / Round / T bars	EN 10058/E	N 10059/EN 1	10060/EN 10055	
Yield strength	No	minal thickness (mm)	Values (MPa)			
	>	≤		min		
		16		355		
	16	40		345		
Tensile strength	No	minal thickness (mm)		Values (MP	a)	
	>	≤	min		max	
	=3	40	470		630	
Elongation	No	minal thickness (mm)		Values (%	<u>) </u>	
	>	≤		min		
	=3	40	22			
Impact strength		minal thickness (mm)	Values (J)			
	>	≤	min			
		40	40 at -20℃			
Weldability		minal thickness (mm)	Values (%)			EN 10025-1:2004
	>	≤		NDD		
		16	NPD			
5 1 1111	16	40			,	
Durability		minal thickness (mm)		Values (%	•	
(Chemical composition)	>	≤	min		max	
		40		C: 0,16	S: 0,035	
				Si : 0,50 P : 0,035	N* : 0,009	
			Mn : 0,50		: 1,50	
			Cu: 0,25		: 0,55	
			Cr : 0,40		: 0,80	
		missible to exceed the specified value	es provided that fo	r each increase of	f 0,001 % N, the	
	Pmax cor					
	more than 0,012%. The max. value for nitrogen does not apply if the chemical composition shows a minimum total AI content of 0,020% or if sufficient other N binding elements are present.					
	total ≥ 0,0	of nitrogen binding elements: the stee 020%, Nb: 0,015 - 0,060%, V: 0,02-0 ombination, at least one of them shal	,12%, Ti: 0,02 - 0,			
	0,15% Zr					
	Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0,02% AI)					