

No. AMBE-2/01-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

Halindo

Essential characteristic			Perfor	rmance	Harmonised technical specification
Tolerances on		Angles	EN10056-2		
dimensions and shape		I and H sections	EN 1	10034	
		Tapered Flange I	EN 1	10024	_
		UPE, UPN	EN	10279	_
Yield strength	Non	ninal thickness (mm)	Value	s (MPa)	
	>	<u> </u>	n	nin	
		16	2	35	
	16	40	2	25	
	40	63			
	63	80	2	15	
	80	100			
	100	140	195		
Tensile strength	Non	ninal thickness (mm)	Value	s (MPa)	
	>	≤	min	max	
	=3	100	360	510	
	100	140	350	500	
Elongation	Non	ninal thickness (mm)	Valu	es (%)	
	>	5	min		EN 10025-1:2004
	=3	40	26		
	40	63	25		
	63	100		24	
	100	140	2	22	
Impact strength	Non	ninal thickness (mm)	Valu	es (J)	
	>	≤	n	nin	
		140	27 at	+20°C	
Weldability	Non	ninal thickness (mm)	Valu	es (%)	
	>	≤	m	lax	
		30	0	,35	
	30	40	0	,35	
	40	140	0	,38	
Durability	Non	ninal thickness (mm)	Values (%)		
(Chemical composition)	>	≤	r	nax	
		140	C* : 0,17	Cu : 0,55	
			Mn : 1,40	S : 0,040	
			P:0,040	N** : 0,012	
	* For nomi	nal thickness > 40 mm C: 0,20. Fo	r nominal thickness >100 mm:	C content upon agreement	
	content of				



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

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

H Caliudo

Essential characteristic			Perf	ormance	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		
		- , -				
Yield strength	No	minal thickness (mm)	Valu	es (MPa)		
	>	≤		min		
		16		235		
	16	40		225		
	40	63				
	63	80		215		
	80	100				
	100	140		195		
Tensile strength	No	minal thickness (mm)	Valu	es (MPa)		
_	>	<u>≤</u>	min	max		
	=3	100	360	510		
	100	140	350	500		
Elongation	No	minal thickness (mm)	Val	ues (%)		
	>	<u>≤</u>	min		EN 10025-1-2004	
	=3	40	26			
	40	63		25		
	63	100		24		
	100	140		22		
Impact strength	No	minal thickness (mm)	Va	ues (J)		
	>	5		min		
		140	27	at 0°C		
Weldability	No	minal thickness (mm)	Val	ues (%)		
	>	≤		max		
		30		0,35		
	30	40		0,35		
	40	140		0,38		
Durability	No	minal thickness (mm)	Val	ues (%)		
(Chemical composition)	>	≤		max		
		140	C* : 0,17	Cu : 0,55		
			Mn : 1,40	S : 0,035		
			P : 0,035	N** : 0,012		
	* For nom	hinal thickness >100 mm: C content	upon agreement.			
	content of 0,020% or if sufficient other N binding elements are present					



No. AMBE-2/03-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

H Caliudo

Essential characteristic			Perfo	ormance	Harmonised technical specification	
Tolerances on		Angles	EN	10056-2	•	
dimensions and shape		Land H sections	EN 10034		-1	
		Tapered Flange I	EN	10024		
		UPE. UPN	EN	10279		
		- , -				
Yield strength	Nor	ninal thickness (mm)	Valu	es (MPa)	-	
	>	≤ , , , , , , , , , , , , , , , , , , ,		min	_	
		16		235		
	16	40		225		
	40	63				
	63	80		215		
	80	100				
	100	140		195		
Tensile strength	Nor	ninal thickness (mm)	Valu	es (MPa)		
	>	<u>≤</u>	min	max		
	=3	100	360	510		
	100	140	350	500		
Elongation	Nominal thickness (mm)		Val	ues (%)		
	>	≤	min		EN 10025-1:2004	
	=3	40	26			
	40	63		25		
	63	100		24		
	100	140	22			
Impact strength	Nor	ninal thickness (mm)	Val	ues (J)		
	>	≤		min		
		140	27 a	at -20°C		
Weldability	Nor	ninal thickness (mm)	Val	ues (%)		
	>	≤		max		
		30		0,35		
	30	40		0,35		
	40	140		0,38		
Durability	Nor	ninal thickness (mm)	Values (%)			
(Chemical composition)	>	≤		max		
		140	C* : 0,17	Cu : 0,55		
			Mn : 1,40	S : 0,030		
			P:0,030			
	* For nom	Inal thickness >100 mm: C content	upon agreement.	t to hind the available nitrogo	2	
	(for example min. 0,02% AI)				`	



No. AMBE-2/04-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

Halindo

Essential characteristic			Perfo	rmance	Harmonised technical specification
Tolerances on		Angles	EN10	0056-2	
dimensions and shape		Land H sections	EN 10034		
		Tapered Flange I	FN ²	10024	
		UPE. UPN	EN '	10279	
Yield strength	Noi	minal thickness (mm)	Value	s (MPa)	1
	>	≤ <i>(</i>	n	nin	
		16	2	75	
	16	40	2	65	
	40	63	2	55	
	63	80	2	45	
	80	100	2	35	
	100	140	2	25	
Tensile strength	Noi	ninal thickness (mm)	Value	s (MPa)	
_	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Noi	minal thickness (mm)	Valu	es (%)	
	>	N N	min		EN 10025-1:2004
	=3	40	23		
	40	63		22	
	63	100		21	
	100	140		19	
Impact strength	Noi	ninal thickness (mm)	Valu	ies (J)	
	>	×	n	nin	
		140	27 at	+20°C	
Weldability	Noi	minal thickness (mm)	Values (%)		
	>	<u> </u>	n	lax	_
		30	0	,40	_
	30	40	0	,40	
	40	140	0	,42	_
Durability	Noi	ninal thickness (mm)	Valu	es (%)	_
(Chemical composition)	>	<u> </u>	n	nax	_
		140	C* : 0,21	Cu : 0,55	
			Mn : 1,50	S : 0,040	
			P:0,040	N** : 0,012	_
	* For nom	inal thickness > 40 mm C: 0,22. For	inominal thickness >100 mm	C content upon agreement	-
	content of				



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

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

Halindo

Essential characteristic			Perfor	rmance	Harmonised technical specification
Tolerances on		Angles	EN10	0056-2	
dimensions and shape		Land H sections	FN 2	10034	
		Tapered Flange I	EN ²	10024	
		UPE. UPN	EN 2	10279	
Yield strength	Nor	ninal thickness (mm)	Value	s (MPa)	
	>	≤	n	nin	
		16	2	75	
	16	40	2	65	
	40	63	2	55	
	63	80	2	45	
	80	100	2	35	
	100	140	2	25	
Tensile strength	Nor	ninal thickness (mm)	Value	s (MPa)	
_	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Valu	es (%)	
	>	≤	min		EN 10025-1:2004
	=3	40	23		
	40	63	22		
	63	100		21	
	100	140	19		
Impact strength	Nor	ninal thickness (mm)	Valu	es (J)	
	>	≤	n	nin	
		140	27 a	nt 0°C	
Weldability	Nor	ninal thickness (mm)	Values (%)		
	>	≤	m	nax	
		30	0	,40	
	30	40	0	,40	
	40	140	0	,42	
Durability	Nor	ninal thickness (mm)	Values (%)		
(Chemical composition)	>	≤	r	nax	
		140	C* : 0,18	Cu : 0,55	
			Mn : 1,50	S : 0,035	
			P:0,035	N** : 0,012	
	* For nom	inal thickness >100 mm: C content	upon agreement.	howo o minimum total Al	_
	content of				



No. AMBE-2/06-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

H Caliudo

Essential characteristic			Perfo	rmance	Harmonised technical specification
Tolerances on		Angles	EN10056-2		•
dimensions and shape		Land H sections	FN	10034	_
	-	Tapered Flange I	EN EN	10024	
		UPE. UPN	EN	10279	
Yield strength	Nom	inal thickness (mm)	Value	s (MPa)	
C	>	≤ ()	r	nin	
		16	2	.75	
	16	40	2	65	
	40	63	2	55	
	63	80	2	45	
	80	100	2	35	
	100	140	2	25	
Tensile strength	Nom	inal thickness (mm)	Value	s (MPa)	
-	>	≤	min	max	
	=3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Valu	es (%)	
	>	≤	min		EN 10025-1:2004
	=3	40	23		
	40	63	22		
	63	100	21		
	100	140		19	
Impact strength	Nom	inal thickness (mm)	Valu	ies (J)	
	>	≤	r	nin	
		140	27 at	: -20°C	
Weldability	Nom	inal thickness (mm)	Valu	es (%)	
	>	≤	n	nax	
		30	0	,40	
	30	40	0	,40	
	40	140	0	,42	
Durability	Nom	inal thickness (mm)	Valu	es (%)	
(Chemical composition)	>	≤	n	nax	
		140	C*: 0,18	Cu : 0,55	
			Mn : 1,50	S : 0,030	
	+ F	al this large ACC C	P:0,030		_
	Fully killed	al thickness >100 mm: C content steel containing nitrogen binding e	upon agreement. lement in amounts sufficient	to bind the available pitroger	2
	(for example	e min. 0,02% AI)		a sina tro avallable fillioger	·



No. AMBE-2/07-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

H Caliudo

Essential characteristic			Performance		Harmonised technical specification
Tolerances on		Angles	EN	10056-2	
dimensions and shape		Land H sections	F	N 10034	-
		Tapered Flange I	F	N 10024	-
		UPF, UPN	F	N 10279	-
					-
Yield strength	No	minal thickness (mm)	Val	ues (MPa)	_
	>	≤ ()		min	-
		16		355	-
	16	40		345	
	40	63		335	-
	63	80		325	
	80	100		315	
	100	140		295	
Tensile strength	No	minal thickness (mm)	Val	ues (MPa)	
_	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	No	minal thickness (mm)	Values (%)		
	>	≤	min		
	=3	40	22		EN 10025-1:2004
	40	63	21		
	63	100	20		
	100	140	18		
Impact strength	No	minal thickness (mm)	Va	alues (J)	
	>	<u> </u>		min	_
		140	27	at +20°C	_
Weldability	No	minal thickness (mm)	Va	lues (%)	_
	>	<u>≤</u>		max	_
		30		0,45	_
	30	40		0,47	_
_	40	140		0,47	_
Durability	No	minal thickness (mm)	Va	lues (%)	_
(Chemical composition)	>	<u>≤</u>	0.1.0.0.1	max	_
		140	C* : 0,24	Cu : 0,55	
			Si: 0,55	S : 0,040	
			Mn : 1,60	N** : 0,012	
	+ =-	direct de la la companya de la compa	P:0,040		_
	** The ma	ninal thickness >100 mm: C content to ax value for nitrogen does not apply	upon agreement.	n shows a minimum total Al	-
	content of 0.020% or if sufficient other N binding elements are present				



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

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

H Caliudo

Essential characteristic			Performance		Harmonised technical specification
Tolerances on		Angles	EN10056-2		
dimensions and shape		Land H sections	FI	N 10034	-
		Tapered Flange I	FI	N 10024	
		UPF, UPN	FI	N 10279	
		0. 2, 0			
Yield strength	Noi	minal thickness (mm)	Valu	ues (MPa)	_
C	>	≤ ,		min	
		16		355	
	16	40		345	
	40	63		335	
	63	80		325	
	80	100		315	
	100	140		295	
Tensile strength	Noi	minal thickness (mm)	Valu	ues (MPa)	
_	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Noi	minal thickness (mm)	Values (%)		
Ū	>	VI	min		
	=3	40	22		EN 10025-1:2004
	40	63	21		
	63	100	20		
	100	140		18	
Impact strength	Noi	minal thickness (mm)	Va	lues (J)	
	>	4		min	_
		140	27	7 at 0°C	_
Weldability	Noi	minal thickness (mm)	Va	lues (%)	_
	>	<u> </u>		max	_
		30		0,45	_
	30	40		0,47	_
	40	140		0,47	_
Durability	Noi	minal thickness (mm)	Values (%)		_
(Chemical composition)	>	<u> </u>		max	_
		140	C* : 0,20	Cu : 0,55	
			Si : 0,55	S : 0,035	
			Mn : 1,60	N** : 0,012	
			P:0,035		4
	* For nom	nnal thickness > 30 mm C: 0,22. For ax value for nitrogen does not apply	if the chemical composition	nm: C content upon agreement	-
	content of	f 0.020% or if sufficient other N bindi	ing elements are present		



No. AMBE-2/09-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

H Caliudo

Essential characteristic			Perfo	ormance	Harmonised technical specification
Tolerances on		Angles	EN1	0056-2	
dimensions and shape		Land H sections	FN	10034	-
		Tapered Flange I	FN	10024	-
			EN FN	10024	-
		01 2, 01 11		10213	-
Yield strength	Non	ninal thickness (mm)	Value	es (MPa)	-
U	>	≤ , , , , , , , , , , , , , , , , , , ,		min	
		16		355	
	16	40		345	
	40	63		335	
	63	80		325	
	80	100		315	
	100	140		295	
Tensile strength	Non	ninal thickness (mm)	Value	es (MPa)	
_	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Non	ninal thickness (mm)	Valu	ues (%)	
	>	≤	min		EN 10025-1:2004
	=3	40	22		
	40	63	21		
	63	100		20	
	100	140	18		
Impact strength	Non	ninal thickness (mm)	Val	ues (J)	
	>	≤		min	
		140	27 a	t -20°C	
Weldability	Non	ninal thickness (mm)	Valu	ues (%)	
	>	<u> </u>	1	nax	
		30	(),45	
	30	40	(),47	
	40	140	(),47	
Durability	Non	ninal thickness (mm)	Valu	les (%)	
(Chemical composition)	>	<u> </u>	1	nax	
		140	C* : 0,20	Cu : 0,55	
			Si : 0,55	S : 0,030	
			Mn : 1,60	P:0,030	
	For nomi Fully killed	nai thickness > 30 mm C: 0,22. For steel containing nitrogen binding e	r nominal thickness >100 mn element in amounts sufficient	n: C content upon agreement	-
	(for examp	ble min. 0,02% AI)			



No. AMBE-2/10-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

H Caliudo

Essential characteristic			Perfo	rmance	Harmonised technical specification
Tolerances on		Anales	EN1	0056-2	
dimensions and shape		Land H sections	FN	10034	-
		Tapered Flange I	FN	10024	-
		UPE. UPN	EN	10279	-
					-
Yield strength	Nor	ninal thickness (mm)	Value	es (MPa)	-
5	>	≤		nin	1
		16	:	355	1
	16	40		345	
	40	63		335	
	63	80	:	325	
	80	100	;	315	-
	100	140		295	
Tensile strength	Nor	ninal thickness (mm)	Value	es (MPa)	
	>	≤	min	max	
	=3	100	470	630	
	100	140	450	600	
Elongation	Nor	ninal thickness (mm)	Valu	ies (%)	
	>	≤	min		EN 10025-1:2004
	=3	40	22		
	40	63		21	
	63	100		20	
	100	140		18	
Impact strength	Nor	ninal thickness (mm)	Valu	ues (J)	
	>	≤		nin	
		140	40 a	t -20°C	
Weldability	Nor	ninal thickness (mm)	Valu	ies (%)	_
	>	<u> </u>	r	nax	_
		30	(),45	_
	30	40	(),47	_
_	40	140	(),47	_
Durability	Nor	ninal thickness (mm)	Valu	ies (%)	_
(Chemical composition)	>	<u> </u>	r	nax	_
		140	C* : 0,20	Cu : 0,55	
			Si: 0,55	S:0,030	
	+		Mn : 1,60	P:0,030	4
	Fully killed	inai thickness > 30 mm C: 0,22. Fo I steel containing nitrogen binding e	r nominal thickness >100 mm element in amounts sufficient	to bind the available nitrogen	-
	(for examp	ble min. 0,02% AI)			



No. AMBE-2/11-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

Halindo

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on		Angles	EN10	056-2	
dimensions and shape		and H sections	EN 1	0034	
	Ta	apered Flange I	EN 1	0024	
		UPE, UPN	EN 1	0279	
Yield strength	Nomir	nal thickness (mm)	Values	s (MPa)	
_	>	<u>≤</u>	m	iin	
_	4.0	16	4	50	
_	16	40	4	30	
_	40	63	4	10	
	63	80	3	90	
	80	100	30	80	
Tanaila atnonath	100	140	30	80 (MDa)	_
Tensile strength	Nomir	nai thickness (mm)	values	s (IVIPa)	
F	>	<u><u> </u></u>	min	max	
	=3	100	550	720	
Elongation	Nomir	140	Values (%)		
			min		
	-3	40			EN 10025-1:2004
F	40	63	-		
F	63	100	- 1	7	
F	100	140	-		
Impact strength	Nomir	nal thickness (mm)	Valu	es (J)	
	>	≤	m	iin	
		140	27 a	t 0°C	
Weldability	Nomir	nal thickness (mm)	Value	es (%)	
L	>	≤	m	ax	
L		30	0,	47	
L	30	40	0,	49	
	40	140	0,	49	
Durability	Nomir	nal thickness (mm)	Value	es (%)	
(Chemical composition)	>	≤	m	ax	
		140	C : 0,20 Si : 0,55 Mn : 1,70	Cu : 0,55 S : 0,035 N : 0,025	



No. AMBE-4/05-CPR-13-1

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

According EN 10025-4

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – Esp

2)

20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

Halindo

Essenti	al chara	acteristic	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	
Yield strength	No	minal thickness (mm)		Values (MPa)	
	>	S		min	
		16		420	
	16	40		400	
	40	63		390	
	63	80		380	
	80	100		370	
	100	140		365	
Tensile strength	No	minal thickness (mm)		Values (MPa)	
	>	VI	min	max	
		40	520	680	
	40	63	500	660	
	63	80	480	640	
	80	100	470	630	
	100	140	460	620	
Elongation	No	minal thickness (mm)		Values (%)	
	>	4	min		EN 10025-1:2004
		140		19	
Impact strength	No	minal thickness (mm)		Values (J)	
	>	4		min	
		140		40 at -20°C	
Weldability	No	minal thickness (mm)		Values (%)	
	>	4		max	
		16		0,43	
	16	40		0,45	
	40	63		0,46	
	63	140		0,47	
Durability	No	minal thickness (mm)		Values (%)	
(Chemical composition)	>	VI	min	max	
		140		C : 0,18 Ti : 0,05	
				Mn : 1,70 Cr : 0,30	
				Si : 0,50 Mo : 0,20	
				P:0,035 Ni:0,80	
				S: 0,030 Cu: 0,55	
				ND: 0,05 N: 0,025	
			Alt. 0.00	V : 0,12	_
	* If ouffici	ont other nitrogen hinding claments	AI^: 0,02	nimum aluminium requirement dese	4
	in sufficient other hitrogen binding elements are present, the minimum aluminium requirement does not apply				



No. AMBE-4/07-CPR-13-1

1) Code of the product type: **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

2)

ArcelorMittal Gipuzkoa, S.L.U. Fábrica de Bergara C/Ibarra,6 20570 – Bergara (Guipúzcoa – España) T +34 943 76 19 40 sections.arcelormittal.com

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

Notified factory production control certification body No. 0099 AENOR 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 point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Jose María Galindo Quality and Technical Customer Service Manager

Halindo

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on	ances on Angles EN10056-2		EN10056-2	•	
dimensions and shape		I and H sections		EN 10034	
	1	Tapered Flange I		EN 10024	
		UPE, UPN		EN 10279	
Yield strength	Nom	inal thickness (mm)		Values (MPa)	
	>	<u> </u>		min	
		16		460	
	16	40		440	
	40	63		430	
	63	80		410	
	80	100		400	
	100	140	385		
Tensile strength	Nom	inal thickness (mm)		Values (MPa)	
	>	≤	min	max	
		40	540	720	
	40	63	530	710	
	63	80	510	690	
	80	100	500	680	
	100	140	490	660	
Elongation	Nom	inal thickness (mm)		Values (%)	
	>	≤		min	EN 10025-1:2004
		140		17	
Impact strength	Nom	inal thickness (mm)		Values (J)	
	>	≤		min	
		140		40 at -20°C	
Weldability	Nom	inal thickness (mm)		Values (%)	
	>	≤		max	
		16	0,45		
	16	40	0,46		
	40	63		0,47	
	63	140		0,48	
Durability	Nom	inal thickness (mm)		Values (%)	
(Chemical composition)	>	≤	min	max	
		140		C:0,18 Ti:0,05 Mn:170 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 sufficien not apply	t other nitrogen binding elements a	are present, the mi	nimum aluminium requirement does	1



(according to regulation EU No 305/2011)	Ess	sential cha
No AMBE-5/01-CPR-13-1		
1) Code of the product type: \$355J0W		
According EN 10025-5	Tolerances on	
	dimensions and	
Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	shape	
To be used in welded, bolted and riveted structures		No
2) ArcelorMittal Gipuzkoa, S.L.U.		
Fábrica de Bergara		
C/Ibarra,6		1
20570 – Bergara (Guipúzcoa – España)	Yield strength	4
T +34 943 76 19 40		
sections.arcelormittal.com		
System of assessment and verification of constancy of performance of		
the product:		No
System 2+		
Notified factory production control certification body No. 0099 AENOR		=
performed the initial inspection of the manufacturing plant and of	Tensile strength	4
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.		
		No
The performance of the product identified in point 1 is in conformity		>
with the declared performance in the table. This declaration of	Elongation	=
performance is issued under the sole responsibility of the		4
manufacturer identified in point 2. Signed for and on benait of the		
manufacturer by.		
Jose María Galindo		No
Quality and Technical Customer	Impact strength	;
Service Manager		
[H Galiudo		No
		;
	weidability	
		'
	Durability	No
Date: 28.02.2020	(Chemical	
	composition)	

naracteristic		Performance		Harmonised technical specification
	L	E	N 10056-2	
/	/ H		EN 10034	
IF	PN		EN 10024	
	0		EN 10279	
ominal thi	ckness (mm)	Va	alues (MPa)	
>	≤		min	
	16		355	
16	40		345	
40	63		335	
ominal thi	ckness (mm)	Va	alues (MPa)	
		min		
> _3	<u> </u>	470	630	
40	63	470	630	
-10	0.5	470	000	
ominal thi	ckness (mm)	N	/alues (%)	EN 10025-1:2004
>	≤	min		
=3	40	22		
40	63		21	
ominal thi	ckness (mm)	,	/alues (J)	
>	≤	min		
	63	27 / 0°C		
ominal thickness (mm)		Values (%)		
>	≤	max		
	16			
16	63	0,52		
ominal thickness (mm)		Values (%)		
>	≤	min	max	
	63	Mn : 0,50	C : 0,16 Cr	: 0,80
		Cu : 0,25	Si : 0,50	
		Cr : 0,40	P:0,040	
			S : 0,040	
			N : 0,012	
			Mn : 1,50	
	1	1	Cu: 0.55	



Declaration of Performance (according to regulation EU No 305/2011)	Ess	ential cha
No AMBE-5/02-CPR-13-1		
1) Code of the product type: \$355J2W		
According EN 10025-5	Tolerances on	<u> </u>
Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	shape	
To be used in welded, bolted and riveted structures		No
2) ArcelorMittal Gipuzkoa, S.L.U.		
Fábrica de Bergara		
C/Ibarra,6		1
20570 – Bergara (Guipúzcoa – España)	Yield strength	4
I +34 943 76 19 40 sections arcelormittal com		
System of assessment and verification of constancy of performance of		<u> </u>
the product:		No
System 2+		
Notified factory production control certification body No. 0099 AENOR		
performed the initial inspection of the manufacturing plant and of	Tensile strength	
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.		
		No
The performance of the product identified in point 1 is in conformity		
with the declared performance in the table. This declaration of	Elongation	=
manufacturer identified in point 2 Signed for and on behalf of the		
manufacturer by:		
Jose María Galindo		No
Quality and Technical Customer	Impact strength	;
Service Manager		No
Hyderics		
	Weldability	
		1
	Durability	No
Date: 28.02.2020	(Chemical	
	composition)	

naracteristic		Performance		Harmonised technical specification
	L	E	N 10056-2	
I/H		E	N 10034	
IF	PN	E	N 10024	
	U	E	N 10279	
ominal thi	ckness (mm)	Va	lues (MPa)	
>	≦		min	
	16		355	
16	40	345		
40	63		335	
i 4h i				
ominai thi	ckness (mm)	Va		
>	≤	min	max	
=3	40	470	630	
40	03	470	030	
ominal thi	ckness (mm)	V	alues (%)	EN 10025-1:2004
>	≤	min		
=3	40	22		
40	63		21	
ominal thi	ckness (mm)	v	Values (J)	
>	≤	min		
	63	27 / -20°C		
ominal thi	ckness (mm)	V	alues (%)	
>	≦	max		
	16	0,52		
16	63	0,52		
I ominal thickness (mm)		Values (%)		
>	≤	min	max	
	63	Mn : 0,50	C : 0,16	
		Cu : 0,25	Si : 0,50	
		Cr : 0,40	P : 0,035	
			S : 0,035	
			Mn : 1,50	
			Cu : 0,55	
	1	T Contraction of the second se		1