

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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/lbarra,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. 0086 BSI
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 Manager



Date: 1.12.2021

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	235		
	16	40	225		
	40	63	215		
	63	80	215		
	80	100	215		
	100	140	195		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	360	510	
	100	140	350	500	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	26		
	40	63	25		
	63	100	24		
	100	140	22		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / 20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,35		
	30	40	0,35		
	40	140	0,38		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,17-0,20 Mn : 1,40 P : 0,040 Cu : 0,55 S : 0,040 N : 0,012	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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

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Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	235		
	16	40	225		
	40	63	215		
	63	80	215		
	80	100	215		
	100	140	195		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	360	510	
	100	140	350	500	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	26		
	40	63	25		
	63	100	24		
	100	140	22		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / 0°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,35		
	30	40	0,35		
	40	140	0,38		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,17 Mn : 1,40 P : 0,035 Cu : 0,55 S : 0,035 N : 0,012	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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
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Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	235		
	16	40	225		
	40	63	215		
	63	80	215		
	80	100	215		
	100	140	195		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	360	510	
	100	140	350	500	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	26		
	40	63	25		
	63	100	24		
	100	140	22		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,35		
	30	40	0,35		
	40	140	0,38		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,17 Mn : 1,40 P : 0,030 Cu : 0,55 S : 0,030	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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

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System of assessment and verification of constancy of performance of
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Date: 1.12.2021

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	275		
	16	40	265		
	40	63	255		
	63	80	245		
	80	100	235		
	100	140	225		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	23		
	40	63	22		
	63	100	21		
	100	140	19		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / 20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,40		
	30	40	0,40		
	40	140	0,42		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,21-0,22 Mn : 1,50 P : 0,040 Cu : 0,55 S : 0,040 N : 0,012	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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:

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Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	275		
	16	40	265		
	40	63	255		
	63	80	245		
	80	100	235		
	100	140	225		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	23		
	40	63	22		
	63	100	21		
	100	140	19		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / 0°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,40		
	30	40	0,40		
	40	140	0,42		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,18 Mn : 1,50 P : 0,035 Cu : 0,55 S : 0,035 N : 0,012	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

No AMBE-2/06-CPR-13-1
1) Code of the product type: **S275J2**
According EN 10025-2

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the applicable harmonised technical specification, as foreseen by the
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Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	275		
	16	40	265		
	40	63	255		
	63	80	245		
	80	100	235		
	100	140	225		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	410	560	
	100	140	400	540	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	23		
	40	63	22		
	63	100	21		
	100	140	19		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,40		
	30	40	0,40		
	40	140	0,42		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,18 Mn : 1,50 P : 0,030 Cu : 0,55 S : 0,030	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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/lbarra,6
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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. 0086 BSI 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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Jose María Galindo
Quality Manager



Date: 1.12.2021

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
100	140	295			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	22		
	40	63	21		
	63	100	20		
100	140	18			
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / 20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
40	140	0,47			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,24 Si : 0,55 Mn : 1,60 P : 0,040 Cu : 0,55 S : 0,040 N : 0,012	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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

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Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
100	140	295			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	22		
	40	63	21		
	63	100	20		
100	140	18			
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	27 / 0°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
40	140	0,47			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
	140		C : 0,20-0,22 Si : 0,55 Mn : 1,60 P : 0,035 Cu : 0,55 S : 0,035 N : 0,012		

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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

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Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape	L		EN 10056-2	
	I / H		EN 10034	
	IPN		EN 10024	
	U		EN 10279	
Yield strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	
		16	355	
	16	40	345	
	40	63	335	
	63	80	325	
	80	100	315	
	100	140	295	
Tensile strength	Nominal thickness (mm)		Values (MPa)	
	>	≤	min	max
	≤3	100	470	630
	100	140	450	600
Elongation	Nominal thickness (mm)		Values (%)	
	>	≤	min	
	≤3	40	22	
	40	63	21	
	63	100	20	
	100	140	18	
Impact strength	Nominal thickness (mm)		Values (J)	
	>	≤	min	
		140	27 / -20°C	
Weldability	Nominal thickness (mm)		Values (%)	
	>	≤	max	
		30	0,45	
	30	40	0,47	
	40	140	0,47	
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)	
	>	≤	min	max
		140		C : 0,20-0,22 Si : 0,55 Mn : 1,60 Cu : 0,55 S : 0,030 P : 0,030

EN 10025-1:2004

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

No AMBE-2/10-CPR-13-1
1) Code of the product type: **S355K2**
According EN 10025-2

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To be used in welded, bolted and riveted structures

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Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
	63	80	325		
	80	100	315		
	100	140	295		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	100	470	630	
	100	140	450	600	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	22		
	40	63	21		
	63	100	20		
	100	140	18		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	40 / -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		30	0,45		
	30	40	0,47		
	40	140	0,47		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140		C : 0,20-0,22 Si : 0,55 Mn : 1,60 Cu : 0,55 S : 0,030 P : 0,030	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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:

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Notified factory production control certification body No. 0086 BSI
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 Manager



Date: 1.12.2021

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	420		
	16	40	400		
	40	63	390		
	63	80	380		
	80	100	370		
100	140	365			
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
		40	520	680	
	40	63	500	660	
	63	80	480	640	
	80	100	470	630	
	100	140	460	620	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
		140	19		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	40 / -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		16	0,43		
	16	40	0,45		
	40	63	0,46		
63	140	0,47			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140	Al : 0,02	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 Nb : 0,05 N : 0,025 V : 0,12	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

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/lbarra,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. 0086 BSI 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 Manager



Date: 1.12.2021

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	460		
	16	40	440		
	40	63	430		
	63	80	410		
	80	100	400		
	100	140	385		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
		40	540	720	
	40	63	530	710	
	63	80	510	690	
	80	100	500	680	
	100	140	490	660	
	Elongation	Nominal thickness (mm)		Values (%)	
>		≤	min		
		140	17		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		140	40 / -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		16	0,45		
	16	40	0,46		
	40	63	0,47		
63	140	0,48			
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		140	Al : 0,02	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	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

No AMBE-5/01-CPR-13-1
1) Code of the product type: **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

2) ArcelorMittal Gipuzkoa, S.L.U.
Fábrica de Bergara
C/lbarra,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. 0086 BSI 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 Manager



Date: 1.12.2021

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	40	470	630	
	40	63	470	630	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	22		
	40	63	21		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		63	27 / 0°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		16	0,52		
	16	63	0,52		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		63	Mn : 0,50 Cu : 0,25 Cr : 0,40	C : 0,16 Si : 0,50 P : 0,040 S : 0,040 N : 0,012 Mn : 1,50 Cu : 0,55	

Declaration of Performance
The Construction Product (Amendment etc.) (EU Exit)
Regulations 2020 No 1359

No AMBE-5/02-CPR-13-1
1) Code of the product type: **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

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Fábrica de Bergara
C/lbarra,6
20570 – Bergara (Guipúzcoa – España)
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sections.arcelormittal.com

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

Notified factory production control certification body No. 0086 BSI 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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Jose María Galindo
Quality Manager



Date: 1.12.2021

Essential characteristic		Performance		Harmonised technical specification	
Tolerances on dimensions and shape	L		EN 10056-2		EN 10025-1:2004
	I / H		EN 10034		
	IPN		EN 10024		
	U		EN 10279		
Yield strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min		
		16	355		
	16	40	345		
	40	63	335		
Tensile strength	Nominal thickness (mm)		Values (MPa)		
	>	≤	min	max	
	≤3	40	470	630	
	40	63	470	630	
Elongation	Nominal thickness (mm)		Values (%)		
	>	≤	min		
	≤3	40	22		
	40	63	21		
Impact strength	Nominal thickness (mm)		Values (J)		
	>	≤	min		
		63	27 / -20°C		
Weldability	Nominal thickness (mm)		Values (%)		
	>	≤	max		
		16	0,52		
	16	63	0,52		
Durability (Chemical composition)	Nominal thickness (mm)		Values (%)		
	>	≤	min	max	
		63	Mn : 0,50 Cu : 0,25 Cr : 0,40	C : 0,16 Si : 0,50 P : 0,035 S : 0,035 Mn : 1,50 Cu : 0,55 Cr : 0,80	