



Doc No. CELSAUK-002

Hot rolled structural steel products
Bars & Section S275J0 / 1.0114 according EN 10025-2: 2019

Intended use:

To be used in fabricated, bolted and riveted structures.

Manufacturer:

Celsa Manufacturing UK LTD
Building 58, Castle Works
East Moors Road, Cardiff
CF24 5NN
United Kingdom
Tel: 029 2035 1800
Website: www.celsauk.com

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

System 2+

Scope as detailed in Certificate of Conformity of

Factory Production Control No **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No 1359, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer:

Marc Griffiths
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 01/06/2024

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2019	
	EN 10058	Flats		
	EN 10060	Round Bars		
	EN 10279	Channels		
<i>Elongation (%)</i>	Nominal Thickness (mm)	Elongation (%)		
	≤40	26		
<i>Tensile Strength (MPa)</i>	Nominal Thickness (mm)	Tensile Strength (MPa)		
	≤100	360 to 510		
<i>Yield Strength (MPa)</i>	Nominal Thickness (mm)	Yield Strength (MPa)		
	≤16	235		
	>16≤40	225		
<i>Impact Strength (J)</i>	Nominal Thickness (mm)	Temperature (°C)	Impact Strength (J)	
	≤150	0	27	
<i>Weldability (Chemical composition)</i>	Nominal Thickness (mm)	CEV% Max		
	≤30	0.35		
	>30≤40	0.35		
<i>Durability (Chemical composition)</i>	Nominal Thickness (mm)	Values Max (%)		
		≤16	C	0.19
			Si	---
			Mn	1.50
			P	0.040
			S	0.040
			N	0.014
	Cu		0.60	
	>16≤40	C	0.19	
		Si	---	
		Mn	1.50	
		P	0.040	
		S	0.040	
		N	0.014	
Cu		0.60		



0038

EN 10025-1 – 2004

Bar and Section S235J0 / 1.0114

Hot rolled structural steel products

Intended Use:

To be used in fabricated, bolted and riveted structures.

Elongation:
Tensile Strength:
Yield Strength:
Impact Strength:
Weldability:
Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

UK Conformity Assessment Body:

LRQA Verification Ltd
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES
Notified body No. 0038
Tel :+44 (0)121 817 4000
Website : www.lrqa.com



Doc No. CELSAUK-002

Hot rolled structural steel products
Bars & Section S355J2 / 1.0577 according EN 10025-2: 2019

Intended use:

To be used in fabricated, bolted and riveted structures.

Manufacturer:

Celsa Manufacturing UK LTD
Building 58, Castle Works
East Moors Road, Cardiff
CF24 5NN
United Kingdom
Tel: 029 2035 1800
Website: www.celsauk.com

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

System 2+

Scope as detailed in Certificate of Conformity of

Factory Production Control No **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No 1359, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer:

Marc Griffiths
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 01/06/2024

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles		
	EN 10058	Flats		
	EN 10060	Round Bars		
	EN 10279	Channels		
<i>Elongation (%)</i>	Nominal Thickness (mm)	Elongation (%)		
	≤40	22		
<i>Tensile Strength (MPa)</i>	Nominal Thickness (mm)	Tensile Strength (MPa)		
	≤100	470 to 630		
<i>Yield Strength (MPa)</i>	Nominal Thickness (mm)	Yield Strength (MPa)		
	≤16	355		
	>16≤40	345		
<i>Impact Strength (J)</i>	Nominal Thickness (mm)	Temperature (°C)	Impact Strength (J)	
	≤150	-20	27	
<i>Weldability (Chemical composition)</i>	Nominal Thickness (mm)	CEV% Max		
	≤30	0.45		
	>30≤40	0.47		
<i>Durability (Chemical composition)</i>	Nominal Thickness (mm)	Values Max (%)		
		≤16	C	0.23
			Si	0.60
			Mn	1.70
			P	0.035
			S	0.035
			N	---
	Cu		0.60	
	>16≤40	C	0.23	
		Si	0.60	
		Mn	1.70	
		P	0.035	
		S	0.035	
		N	---	
Cu		0.60		

EN 10025-2:2019



0038

EN 10025-1 – 2004

Bar and Section S355J2 / 1.0577

Hot rolled structural steel products

Intended Use:

To be used in fabricated, bolted and riveted structures.

Elongation:

Tensile Strength:

Yield Strength:

Impact Strength:

Weldability:

Durability:

EN 10025-2 - 2019

Dangerous Substances: No performance determined.

UK Conformity Assessment Body:

LRQA Verification Ltd
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES
Notified body No. 0038
Tel :+44 (0)121 817 4000
Website : www.lrqa.com



Doc No. CELSAUK-002

Hot rolled structural steel products
 Bars & Section S355J0 / 1.0553 according EN 10025-2: 2019

Intended use:

To be used in fabricated, bolted and riveted structures.

Manufacturer:

Celsa Manufacturing UK LTD
Building 58, Castle Works
East Moors Road, Cardiff
CF24 5NN
United Kingdom
Tel: 029 2035 1800
Website: www.celsauk.com

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

System 2+

Scope as detailed in Certificate of Conformity of

Factory Production Control No **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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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Signed for and on behalf of the manufacturer:

Marc Griffiths
 Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 01/06/2024

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2019	
	EN 10058	Flats		
	EN 10060	Round Bars		
	EN 10279	Channels		
<i>Elongation (%)</i>	Nominal Thickness (mm)	Elongation (%)		
	≤40	22		
<i>Tensile Strength (MPa)</i>	Nominal Thickness (mm)	Tensile Strength (MPa)		
	≤100	470 to 630		
<i>Yield Strength (MPa)</i>	Nominal Thickness (mm)	Yield Strength (MPa)		
	≤16	355		
	>16≤40	345		
<i>Impact Strength (J)</i>	Nominal Thickness (mm)	Temperature (°C)		Impact Strength (J)
	≤150	0	27	
<i>Weldability (Chemical composition)</i>	Nominal Thickness (mm)	CEV% Max		
	≤30	0.45		
	>30≤40	0.47		
<i>Durability (Chemical composition)</i>	Nominal Thickness (mm)	Values Max (%)		
		≤16	C	0.23
			Si	0.60
			Mn	1.70
			P	0.040
			S	0.040
	N		0.014	
	>16≤40	Cu	0.60	
		C	0.23	
		Si	0.60	
		Mn	1.70	
		P	0.040	
		S	0.040	
N		0.014		
Cu	0.60			

0038

EN 10025-1 – 2004

Bar and Section S355J0 / 1.0553

Hot rolled structural steel products

Intended Use:

To be used in fabricated, bolted and riveted structures.

Elongation:
 Tensile Strength:
 Yield Strength:
 Impact Strength:
 Weldability:
 Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

UK Conformity Assessment Body:

LRQA Verification Ltd
 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES
 Notified body No. 0038
 Tel :+44 (0)121 817 4000
 Website : www.lrq.com



Doc No. CELSAUK-002

Hot rolled structural steel products
 Bars & Section S275JR / 1.0044 according EN 10025-2: 2019

Intended use:

To be used in fabricated, bolted and riveted structures.

Manufacturer:

Celsa Manufacturing UK LTD
Building 58, Castle Works
East Moors Road, Cardiff
CF24 5NN
United Kingdom
Tel: 029 2035 1800
Website: www.celsauk.com

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

System 2+

Scope as detailed in Certificate of Conformity of

Factory Production Control No **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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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Signed for and on behalf of the manufacturer:

Marc Griffiths
 Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 01/06/2024

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2019	
	EN 10058	Flats		
	EN 10060	Round Bars		
	EN 10279	Channels		
<i>Elongation (%)</i>	Nominal Thickness (mm)	Elongation (%)		
	≤40	23		
<i>Tensile Strength (MPa)</i>	Nominal Thickness (mm)	Tensile Strength (MPa)		
	≤100	410 to 560		
<i>Yield Strength (MPa)</i>	Nominal Thickness (mm)	Yield Strength (MPa)		
	≤16	275		
	>16≤40	265		
<i>Impact Strength (J)</i>	Nominal Thickness (mm)	Temperature (°C)	Impact Strength (J)	
	≤150	20	27	
<i>Weldability (Chemical composition)</i>	Nominal Thickness (mm)	CEV% Max		
	≤30	0.40		
	>30≤40	0.40		
<i>Durability (Chemical composition)</i>	Nominal Thickness (mm)	Values Max (%)		
		≤16	C	0.24
			Si	---
			Mn	1.60
			P	0.045
			S	0.045
			N	0.014
	Cu		0.60	
	>16≤40	C	0.24	
		Si	---	
		Mn	1.60	
		P	0.045	
		S	0.045	
		N	0.014	
Cu		0.60		



0038

EN 10025-1 – 2004

Bar and Section S275JR / 1.0044

Hot rolled structural steel products

Intended Use:

To be used in fabricated, bolted and riveted structures.

Elongation:
 Tensile Strength:
 Yield Strength:
 Impact Strength:
 Weldability:
 Durability:

EN 10025-2 - 2019

Dangerous Substances: No performance determined.

UK Conformity Assessment Body:

LRQA Verification Ltd
 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES
 Notified body No. 0038
 Tel :+44 (0)121 817 4000
 Website : www.lrqa.com



Doc No. CELSAUK-002

Hot rolled structural steel products
Bars & Section S275J0 / 1.0143 according EN 10025-2: 2019

Intended use:

To be used in fabricated, bolted and riveted structures.

Manufacturer:

Celsa Manufacturing UK LTD
Building 58, Castle Works
East Moors Road, Cardiff
CF24 5NN
United Kingdom
Tel: 029 2035 1800
Website: www.celsauk.com

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

System 2+

Scope as detailed in Certificate of Conformity of

Factory Production Control No **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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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Signed for and on behalf of the manufacturer:

Marc Griffiths
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 01/06/2024

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2019	
	EN 10058	Flats		
	EN 10060	Round Bars		
	EN 10279	Channels		
<i>Elongation (%)</i>	Nominal Thickness (mm)	Elongation (%)		
	≤40	23		
<i>Tensile Strength (MPa)</i>	Nominal Thickness (mm)	Tensile Strength (MPa)		
	≤100	410 to 560		
<i>Yield Strength (MPa)</i>	Nominal Thickness (mm)	Yield Strength (MPa)		
	≤16	275		
	>16≤40	265		
<i>Impact Strength (J)</i>	Nominal Thickness (mm)	Temperature (°C)	Impact Strength (J)	
	≤150	0	27	
<i>Weldability (Chemical composition)</i>	Nominal Thickness (mm)	CEV% Max		
	≤30	0.40		
	>30≤40	0.40		
<i>Durability (Chemical composition)</i>	Nominal Thickness (mm)	Values Max (%)		
		≤16	C	0.21
			Si	---
			Mn	1.60
			P	0.040
			S	0.040
			N	0.014
	Cu		0.60	
	>16≤40	C	0.21	
		Si	---	
		Mn	1.60	
		P	0.040	
		S	0.040	
		N	0.014	
Cu		0.60		



0038

EN 10025-1 – 2004

Bar and Section S275J0 / 1.0143

Hot rolled structural steel products

Intended Use:

To be used in fabricated, bolted and riveted structures.

Elongation:
Tensile Strength:
Yield Strength:
Impact Strength:
Weldability:
Durability:

EN 10025-2 - 2019

Dangerous Substances: No performance determined.

UK Conformity Assessment Body:

LRQA Verification Ltd
1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES
Notified body No. 0038
Tel :+44 (0)121 817 4000
Website : www.lrqa.com



Doc No. CELSAUK-002

Hot rolled structural steel products
 Bars & Section S235JR / 1.0038 according EN 10025-2: 2019

Intended use:

To be used in fabricated, bolted and riveted structures.

Manufacturer:

Celsa Manufacturing UK LTD
Building 58, Castle Works
East Moors Road, Cardiff
CF24 5NN
United Kingdom
Tel: 029 2035 1800
Website: www.celsauk.com

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

System 2+

Scope as detailed in Certificate of Conformity of

Factory Production Control No **0038/CPR/LRQ 4002811/1**

Factory production control assessment body No. 0038 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 above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU Exit) 2020 No 1359, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer:

Marc Griffiths
 Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 01/06/2024

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2019	
	EN 10058	Flats		
	EN 10060	Round Bars		
	EN 10279	Channels		
<i>Elongation (%)</i>	Nominal Thickness (mm)	Elongation (%)		
	≤40	26		
<i>Tensile Strength (MPa)</i>	Nominal Thickness (mm)	Tensile Strength (MPa)		
	≤100	360 to 510		
<i>Yield Strength (MPa)</i>	Nominal Thickness (mm)	Yield Strength (MPa)		
	≤16	235		
	>16≤40	225		
<i>Impact Strength (J)</i>	Nominal Thickness (mm)	Temperature (°C)		Impact Strength (J)
	≤150	20	27	
<i>Weldability (Chemical composition)</i>	Nominal Thickness (mm)	CEV% Max		
	≤30	0.35		
	>30≤40	0.35		
<i>Durability (Chemical composition)</i>	Nominal Thickness (mm)	Values Max (%)		
		≤16	C	0.19
			Si	---
			Mn	1.50
			P	0.045
			S	0.045
			N	0.014
	Cu		0.60	
	>16≤40	C	0.19	
		Si	---	
		Mn	1.50	
		P	0.045	
		S	0.045	
		N	0.014	
Cu		0.60		

0038

EN 10025-1 – 2004

Bar and Section S235JR / 1.0038

Hot rolled structural steel products

Intended Use:

To be used in fabricated, bolted and riveted structures.

Elongation:
 Tensile Strength:
 Yield Strength:
 Impact Strength:
 Weldability:
 Durability:

} EN 10025-2 - 2019

Dangerous Substances: No performance determined.

UK Conformity Assessment Body:

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 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES
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