



DECLARATION OF PERFORMANCE
(According to Regulation EU No.305/2011)

Hot rolled structural steel products
S235J0 according to EN 10025-2:2004

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
Website: www.celsauk.com
Tel: 029 2035 1800

Notified Body:
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Notified body No. 0038
Tel :+44 (0)207 423 2428
Email : ecdirectives@lr.org
Website : www.lr.org

System of assessment and verification of constancy
of performance of the product:
System 2+
UK - FPC Certificate No. 0038/CPR/LRQ 4002811/1

The performance of the product identified is in conformity with the set of
declared performance/s. This declaration of performance is issued in
accordance under the sole responsibility of the Manufacturer indicated
above.

Signed for and on behalf of the manufacturer:

Stuart Thomas
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 16/02/2018

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2004	
	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	
	>16≤40	C	0.19	
		Si	---	
		Mn	1.50	
		P	0.040	
		S	0.040	
		N	0.014	
Cu		0.60		



0038

Manufacturer:
Celsa Manufacturing UK Ltd.
Building 58, East Moors Road
Cardiff, CF24 5NN (UK)

06

0038/CPR/LRQ 4002811/1

Identification code of the product:
S235J0
(EN 10027-2 1.0114)

Harmonised Standard:
EN 10025-2:2004

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

Dangerous Substances: No performance determined.



DECLARATION OF PERFORMANCE
(According to Regulation EU No.305/2011)

Hot rolled structural steel products
S355JR according to EN 10025-2:2004

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
Website: www.celsauk.com
Tel: 029 2035 1800

Notified Body:
Lloyds Register Verification Limited
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Website : www.lr.org

System of assessment and verification of constancy
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System 2+
UK - FPC Certificate No. 0038/CPR/LRQ 4002811/1

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Signed for and on behalf of the manufacturer:

Stuart Thomas
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 16/02/2018

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2004	
	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	0.27
			Si	0.60
			Mn	1.70
			P	0.045
			S	0.045
			N	0.014
	Cu		0.60	
	>16≤40	C	0.27	
		Si	0.60	
		Mn	1.70	
		P	0.045	
		S	0.045	
		N	0.014	
Cu		0.60		



0038

Manufacturer:
Celsa Manufacturing UK Ltd.
Building 58, East Moors Road
Cardiff, CF24 5NN (UK)

06

0038/CPR/LRQ 4002811/1

Identification code of the product:
S355JR
(EN 10027-2 1.0045)

Harmonised Standard:
EN 10025-2:2004

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

Dangerous Substances: No performance determined.



DECLARATION OF PERFORMANCE
(According to Regulation EU No.305/2011)

Hot rolled structural steel products
S355J2 according to EN 10025-2:2004

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
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System 2+
UK - FPC Certificate No. 0038/CPR/LRQ 4002811/1

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Signed for and on behalf of the manufacturer:

Stuart Thomas
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 16/02/2018

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2004	
	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		---	
	>16≤40	C	0.23	
		Si	0.60	
		Mn	1.70	
		P	0.035	
		S	0.035	
		N	---	
		Cu	0.60	



0038

Manufacturer:
Celsa Manufacturing UK Ltd.
Building 58, East Moors Road
Cardiff, CF24 5NN (UK)

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0038/CPR/LRQ 4002811/1

Identification code of the product:
S355J2
(EN 10027-2 1.0577)

Harmonised Standard:
EN 10025-2:2004

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

Dangerous Substances: No performance determined.



DECLARATION OF PERFORMANCE
(According to Regulation EU No.305/2011)

Hot rolled structural steel products
S355J0 according to EN 10025-2:2004

Intended use:
To be used in fabricated, bolted and riveted structures.

Manufacturer:
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Building 58, Castle Works
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UK - FPC Certificate No. 0038/CPR/LRQ 4002811/1

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Signed for and on behalf of the manufacturer:

Stuart Thomas
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 16/02/2018

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	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
	Cu		0.60	
	>16≤40	C	0.23	
		Si	0.60	
		Mn	1.70	
		P	0.040	
		S	0.040	
		N	0.014	
Cu		0.60		

EN 10025-2:2004



0038

Manufacturer:
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Building 58, East Moors Road
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06

0038/CPR/LRQ 4002811/1

Identification code of the product:
S355J0
(EN 10027-2 1.0553)

Harmonised Standard:
EN 10025-2:2004

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

Dangerous Substances: No performance determined.



DECLARATION OF PERFORMANCE
(According to Regulation EU No.305/2011)

Hot rolled structural steel products
S275JR according to EN 10025-2:2004

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
Website: www.celsauk.com
Tel: 029 2035 1800

Notified Body:
Lloyds Register Verification Limited
71 Fenchurch Street, London, EC3M 4BS
Notified body No. 0038
Tel :+44 (0)207 423 2428
Email : ecdirectives@lr.org
Website : www.lr.org

System of assessment and verification of constancy
of performance of the product:
System 2+
UK - FPC Certificate No. 0038/CPR/LRQ 4002811/1

The performance of the product identified is in conformity with the set of
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above.

Signed for and on behalf of the manufacturer:

Stuart Thomas
Quality Manager, Celsa Manufacturing UK Ltd. Cardiff.

Date: 16/02/2018

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2004	
	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

Manufacturer:
Celsa Manufacturing UK Ltd.
Building 58, East Moors Road
Cardiff, CF24 5NN (UK)

06

0038/CPR/LRQ 4002811/1

Identification code of the product:
S275JR
(EN 10027-2 1.0044)

Harmonised Standard:
EN 10025-2:2004

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

Dangerous Substances: No performance determined.



DECLARATION OF PERFORMANCE
(According to Regulation EU No.305/2011)

Hot rolled structural steel products
S275J0 according to EN 10025-2:2004

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
Website: www.celsauk.com
Tel: 029 2035 1800

Notified Body:
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System of assessment and verification of constancy
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System 2+
UK - FPC Certificate No. 0038/CPR/LRQ 4002811/1

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Date: 16/02/2018

Essential Characteristics	Performance		Harmonised technical specification	
<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2	Equal and Unequal Angles	EN 10025-2:2004	
	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)		
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	≤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	
	>16≤40	Cu	0.60	
		C	0.21	
		Si	---	
		Mn	1.60	
		P	0.040	
		S	0.040	
N		0.014		
Cu	0.60			



0038

Manufacturer:
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Building 58, East Moors Road
Cardiff, CF24 5NN (UK)

06

0038/CPR/LRQ 4002811/1

Identification code of the product:
S275J0
(EN 10027-2 1.0143)

Harmonised Standard:
EN 10025-2:2004

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

Dangerous Substances: No performance determined.



DECLARATION OF PERFORMANCE
(According to Regulation EU No.305/2011)

Hot rolled structural steel products
S235JR according to EN 10025-2:2004

Intended use:
To be used in fabricated, bolted and riveted structures.

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Date: 16/02/2018

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	EN 10279	Channels		
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	≤40	26		
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	>16≤40	225		
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	≤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	
	>16≤40	Cu	0.60	
		C	0.19	
		Si	---	
		Mn	1.50	
		P	0.045	
		S	0.045	
N		0.014		
Cu	0.60			



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0038/CPR/LRQ 4002811/1

Identification code of the product:
S235JR
(EN 10027-2 1.0038)

Harmonised Standard:
EN 10025-2:2004

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

Dangerous Substances: No performance determined.