



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

**Doc No. CELSAUK-003**

Hot rolled structural steel products  
S235J0 according to 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  
Website: [www.celsauk.com](http://www.celsauk.com)  
Tel: 029 2035 1800

Notified Body:  
AENOR INTERNACIONAL, S.A. (Unipersonal)  
Génova, 6  
E-28004 MADRID  
Spain  
Notified body No. 0099  
Tel: +34 91 432 60 08  
Email: [certificacion@aenor.com](mailto:certificacion@aenor.com)  
Website: [www.aenor.com](http://www.aenor.com)

System of assessment and verification of constancy  
of performance of the product:  
System 2+  
FPC Certificate No. 0099/CPR/A81/0306

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:

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

Date: 16/09/2022

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	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		

EN 10025-2:2019



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

19

0099/CPR/A81/0306

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

Harmonised Standard:  
EN 10025-2:2019

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)

**Doc No. CELSAUK-003**

Hot rolled structural steel products  
S235JR according to 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  
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Website: [www.aenor.com](http://www.aenor.com)

System of assessment and verification of constancy  
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System 2+  
FPC Certificate No. 0099/CPR/A81/0306

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Signed for and on behalf of the manufacturer:

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

Date: 16/09/2022

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	
	>16≤40	C	0.19	
		Si	---	
		Mn	1.50	
		P	0.045	
		S	0.045	
		N	0.014	
Cu		0.60		



**0099**

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

19

0099/CPR/A81/0306

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

Harmonised Standard:  
EN 10025-2:2019

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)

**Doc No. CELSAUK-003**

Hot rolled structural steel products  
S275J0 according to 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  
Website: [www.celsauk.com](http://www.celsauk.com)  
Tel: 029 2035 1800

Notified Body:  
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Website: [www.aenor.com](http://www.aenor.com)

System of assessment and verification of constancy  
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System 2+  
FPC Certificate No. 0099/CPR/A81/0306

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Signed for and on behalf of the manufacturer:

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

Date: 16/09/2022

Essential Characteristics	Performance		Harmonised technical specification	
	<i>Dimensional and shape tolerances</i>	EN 10056-1 & 2 EN 10058 EN 10060 EN 10279		Equal and Unequal Angles Flats Round Bars Channels
<i>Elongation (%)</i>	Nominal Thickness (mm)	Elongation (%)	EN 10025-2:2019	
	≤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		



**0099**

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

19

0099/CPR/A81/0306

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

Harmonised Standard:  
EN 10025-2:2019

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)

**Doc No. CELSAUK-003**

Hot rolled structural steel products  
S275JR according to EN 10025-2:2019

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

Manufacturer:  
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System 2+  
FPC Certificate No. 0099/CPR/A81/0306

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Date: 16/09/2022

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		



**0099**

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

19

0099/CPR/A81/0306

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

Harmonised Standard:  
EN 10025-2:2019

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)

**Doc No. CELSAUK-003**

Hot rolled structural steel products  
S355J0 according to 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  
Website: [www.celsauk.com](http://www.celsauk.com)  
Tel: 029 2035 1800

Notified Body:  
AENOR INTERNACIONAL, S.A. (Unipersonal)  
Génova, 6  
E-28004 MADRID  
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System of assessment and verification of constancy  
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System 2+  
FPC Certificate No. 0099/CPR/A81/0306

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

Date: 16/09/2022

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 10025-2:2019



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

19

0099/CPR/A81/0306

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

Harmonised Standard:  
EN 10025-2:2019

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)

**Doc No. CELSAUK-003**

Hot rolled structural steel products  
S355JR according to 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  
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United Kingdom  
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Date: 16/09/2022

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	0.27
			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		

EN 10025-2:2019



**0099**

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

19

0099/CPR/A81/0306

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

Harmonised Standard:  
EN 10025-2:2019

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)

**Doc No. CELSAUK-003**

Hot rolled structural steel products  
S355J2 according to EN 10025-2:2019

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

Manufacturer:  
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Building 58, Castle Works  
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Date: 16/09/2022

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



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

19

0099/CPR/A81/0306

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

Harmonised Standard:  
EN 10025-2:2019

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.