

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
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
Website: 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 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		



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:
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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
Dimensional and shape tolerances	EN 10056-1 & 2	Equal and Unequal Angles		EN 10025-2:2019
	EN 10058	Flats		
	EN 10060	Round Bars		
	EN 10279	Channels		
Elongation (%)	Nominal Thickness (mm)	Elongation (%)		
	≤40	26		
Tensile Strength (MPa)	Nominal Thickness (mm)	Tensile Strength (MPa)		
	≤100	360 to 510		
Yield Strength (MPa)	Nominal Thickness (mm)	Yield Strength (MPa)		
	≤16	235		
	>16≤40	225		
Impact Strength (J)	Nominal Thickness (mm)	Temperature (°C)	Impact Strength (J)	
	≤150	20	27	
Weldability (Chemical composition)	Nominal Thickness (mm)	CEV% Max		
	≤30	0.35		
	>30≤40	0.35		
Durability (Chemical composition)	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		



Manufacturer:
Celsa Manufacturing UK Ltd.
Building 58, East Moors Road
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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
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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 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 (%)	
		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

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:
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.

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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	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 (%)	
		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

EN 10025-2:2019



Manufacturer:
Celsa Manufacturing UK Ltd.
Building 58, East Moors Road
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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
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CF24 5NN
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System 2+
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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) ≤16	Values Max (%)	
		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

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:
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<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 (%)	
		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



Manufacturer:
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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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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 (%)	
		C	0.23
		Si	0.60
		Mn	1.70
		P	0.035
		S	0.035
		N	---
	>16≤40	Cu	0.60
		C	0.23
		Si	0.60
		Mn	1.70
		P	0.035
		S	0.035
		N	---
		Cu	0.60

EN 10025-2:2019



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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.