

Declaration of Performance

DOP cert number: CelsaUK001

1. Product name and identification code :

Hot rolled products of structural steels, EN 10025-2:2004,
Types S235/S275/S355,
Grades JR/JO/J2

2. Name and Manufactures address :

Celsa Manufacturing (UK) limited
Building 58
Castle Works
East Moors Road
Cardiff
CF24 5NN
(UK)

3. Intended use :

To be used in Fabricated, Bolted and Riveted Structures

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

System 2+

5. Notified body:

Lloyds Register Verification Limited, notified body No. 0038

Assessment and evaluation of factory production control for the system 2+
Factory Production Control certificate 0038/CPR/LRQ 4002811/1, issued on 25th May 2006.

The performance of the product identified in point 1 are in line with the performance declared in point 6.

This declaration of performance is issued under the sole responsibility of the manufacturer indicated in point 2.

6. Declared Performance

Essential Characteristics	Performance	Harmonised technical Specification							
<i>Dimensional and shape tolerances</i>	EN 10056-1	Equal and Unequal Angles							
	EN 10058	Flats							
	EN 10060	Merchant Round Bars							
	EN 10279	Channels							
<i>Elongation (%)</i>	Type and Grade	Normal Thickness (mm)							
		≤40							
	S235JR/JO	26							
	S275JR/JO	23							
S355JR/JO/J2	22								
<i>Tensile strength (MPa)</i>	Type and Grade	Normal Thickness (mm)							
		≤100							
	S235 JR / JO	360 to 510							
	S275 JR / JO	410 to 560							
S355 JR / JO/ J2	470 to 630								
<i>Yield Strength (MPa)</i>	Type and Grade	Normal Thickness (mm)							
		≤16	>16≤40						
	S235 JR / JO	235	225						
	S275 JR / JO	275	265						
S355 JR / JO/ J2	355	345							
<i>Impact Strength (J)</i>	Type and Grade	Temperature (°C)	Normal Thickness (mm)						
			≤150						
	S235/S275/355 JR	20	27						
	S235/S275/355 JO	0	27						
S355 J2	-20	27							
<i>Weldability (Chemical composition)</i>	Type and Grade	CEV% Max							
		Normal Thickness (mm) ≤40							
	S235 JR / JO	0.35							
	S275 JR / JO	0.40							
S355 JR / JO/ J2	0.45								
<i>Durability (Chemical composition)</i>	Type and grade	C % max		Si % max	Mn % max	P % max	S % max	N % max	Cu % max
		≤16mm	>16≤40mm						
	S235JR	0.19	0.19	---	1.50	0.045	0.045	0.014	0.60
	S235JO	0.19	0.19	---	1.50	0.040	0.040	0.014	0.60
	S275JR	0.24	0.24	---	1.60	0.045	0.045	0.014	0.60
	S275JO	0.21	0.21	---	1.60	0.040	0.040	0.014	0.60
	S355JR	0.27	0.27	---	1.70	0.045	0.045	0.014	0.60
	S355JO	0.23	0.23	0.60	1.70	0.040	0.040	0.014	0.60
	S355J2	0.23	0.23	0.60	1.70	0.035	0.035	---	0.60

EN 10025-2:2004

Signed for and on behalf of the manufacturer:



Stuart Thomas
Quality Manager
Cardiff, 1st May 2017