Declaration of Performance
(According to Annex III of EU Regulation No. 305/2011 and amended per EU Regulation No. 574/2014)

CEDOP/2018/S355JR

1. Unique identification code of the product-type:

CEDOP/2018/S355JR

2. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification:

Hot-rolled rolled products of structural steels

3. Name, registered trade name or registered trademark and contact address of the manufacturer:

Spartan UK Ltd
Ropery Road, Teams, Gateshead, Tyne and Wear, NE8 2RD, United Kingdom
Tel: +44 (0) 191 4604245
E-mail: gary.robinson@spartanuk.co.uk

4. Name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2):

Not applicable

5 System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in Annex V to Regulation (EU) No. 305/2011:

System 2+

6 In case of the declaration of performance concerning a construction product covered by a harmonized standard:

Hot-rolled rolled products of structural steels according to EN 10025-1:2004
Notified factory production control certification body TUV NORD Systems Gmbh & Co. KG No. 0045
Große Bahnstraße 31
D-22525 Hamburg
Germany
Certificate No: 0045-CPR-0950

7 Declared performance

Essential Characteristic	Performance		Harmonised Standard	Technical Specification
Yield Strength	Nominal thickness (mm)	Values (MPa) Min	EN 10025-1	EN 10025-2
	≤ 16	355		
	> 16 ≤ 40	345		
	> 40 ≤ 63	335		
	> 63 ≤ 80	325		
	> 80 ≤ 100	315		
	> 100 ≤ 150	295		
	> 150 ≤ 200	285		
	> 200 ≤ 250	275		
Tensile Strength	Nominal thickness (mm)	Values (MPa)		
	≥ 3 ≤ 100	470 to 630		
	> 100 ≤ 150	450 to 600		
	> 150 ≤ 250	450 to 600		
Elongation	Nominal thickness (mm)	Values (%) Min		
	> 3 ≤ 40	20		
	> 40 ≤ 63	19		
	> 63 ≤ 100	18		
	> 100 ≤ 150	18		
	> 150 ≤ 250	17		
[(1)]Impact strength for longitudinal test specimens KV at 20°C	Nominal thickness (mm)	Values (J)		
	≤ 150	min 27		
	> 150 ≤ 250	min 27		

[(1)] The impact properties of quality JR products are verified only when specified at the time of the order

Chemical composition of the ladle analysis

	C in % max. for nominal product thickness in mm			Si % max.	Mn % max.	P % max.	S % max.	N % max.	Cu % max.	Other % max.
	≤ 16	> 16 ≤ 40	> 40							
S355JR	0.24	0.24	0.24	0.55	1.60	0.035	0.035	0.012	0.55	-

Maximum CEV based on the ladle analysis

	Maximum CEV in % for nominal product thickness in mm			
	≤ 30	> 30 ≤ 40	> 40 ≤ 150	> 150 ≤ 250
S355JR	0.45	0.47	0.47	0.49

8 The performance of the product identified in points 1 and 2 is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by:
Gary Robinson, Quality Manager

Gateshead, 22nd September 2022