



METINVEST

Declaration of Performance

Spartan UK Ltd

Declaration of Performance

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

CEDOP/2018/S460NL

1. Unique identification code of the product-type:

CEDOP/2018/S460NL

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 10025-3
	≤ 16	460		
	> 16 ≤ 40	440		
	> 40 ≤ 63	430		
	> 63 ≤ 80	410		
	> 80 ≤ 100	400		
	> 100 ≤ 150	380		
	> 150 ≤ 200	370		
Tensile Strength	Nominal thickness (mm)	Values (MPa)	EN 10025-1	EN 10025-3
	≤ 100	540 to 720		
	> 100 ≤ 200	530 to 710		
	> 200 ≤ 250	-		
Elongation	Nominal thickness (mm)	Values (%) Min	EN 10025-1	EN 10025-3
	≤ 16	17		
	> 16 ≤ 40	17		
	> 40 ≤ 63	17		
	> 63 ≤ 80	17		
	> 80 ≤ 200	17		
Impact strength for longitudinal test specimens KV	Test Temperature (°C)	Values (J)	EN 10025-1	EN 10025-3
	+ 20	min 63		
	0	min 55		
	- 10	min 51		
	- 20	min 47		
	- 30	min 40		
	- 40	min 31		
- 50	min 27			

Chemical composition of the ladle analysis

	C % max.	Si % max.	Mn %	P % max.	S % max.	Nb % max.	V % max.	Al _{total} % min.	Ti % max.	Cr % max.	Ni % max.	Mo % max.	Cu % max.	N % max.
S460NL	0.20	0.60	1.00 - 1.70	0.025	0.020	0.05	0.20	0.02	0.05	0.30	0.80	0.10	0.55	0.025

Maximum CEV based on the ladle analysis

	Maximum CEV in % for nominal product thickness in mm		
	≤ 63	> 63 ≤ 100	> 100 ≤ 250
S460NL	0.53	0.54	0.55

- 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