



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)

DOP/2018/S355N

1. Unique identification code of the product-type:

DOP/2018/S355N

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

Hot-rolled plates from structural steels accordant to the regulations of EN10025-2, -3, -5

3. Name, registered trade name or registered trade mark 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 plates from structural steels with strength level S235 up to S460 according to DIN EN 10025-2,-3,-5
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 dated 01.09.2015



7 Declared performance

Essential Characteristic	Performance		Harmonised Technical Specification
Yield Strength	Nominal thickness (mm)	Values (MPa) Min	EN 10025-3 (2004)
	≤ 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)	EN 10025-3 (2004)
	≤ 100	470 to 630	
	> 100 ≤ 200	450 to 600	
	> 200 ≤ 250	450 to 600	
Elongation	Nominal thickness (mm)	Values (%) Min	EN 10025-3 (2004)
	≤ 16	22	
	> 16 ≤ 40	22	
	> 40 ≤ 63	22	
	> 63 ≤ 80	21	
	> 80 ≤ 200	21	
	> 200 ≤ 250	21	
Impact strength for longitudinal test specimens KV	Test Temperature (°C)	Values (J)	EN 10025-3 (2004)
	+ 20	min 55	
	0	min 47	
	- 10	min 43	
	- 20	min 40	
	- 30	-	
	- 40	-	
	- 50	-	



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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.
S355N	0.20	0.50	0.90 - 1.65	0.030	0.025	0.05	0.12	0.02	0.05	0.30	0.50	0.10	0.55	0.015

Maximum CEV based on the ladle analysis

	Maximum CEV in % for nominal product thickness in mm		
	≤ 63	> 63 ≤ 100	> 100 ≤ 250
S355N	0.43	0.45	0.45

- 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 identify above

Signed for and on behalf of the manufacturer by:

Gary Robinson, Quality Manager

Gateshead, 15th of March 2018