



**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/S420N

1. Unique identification code of the product-type:

**DOP/2018/S420N**

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	420	
	> 16 ≤ 40	400	
	> 40 ≤ 63	390	
	> 63 ≤ 80	370	
	> 80 ≤ 100	360	
	> 100 ≤ 150	340	
	> 150 ≤ 200	330	
Tensile Strength	Nominal thickness (mm)	Values (MPa)	EN 10025-3 (2004)
	≤ 100	520 to 680	
	> 100 ≤ 200	500 to 650	
	> 200 ≤ 250	500 to 650	
Elongation	Nominal thickness (mm)	Values (%) Min	EN 10025-3 (2004)
	≤ 16	19	
	> 16 ≤ 40	19	
	> 40 ≤ 63	19	
	> 63 ≤ 80	18	
	> 80 ≤ 200	18	
	> 200 ≤ 250	18	
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 <sub>total</sub> % min.	Ti % max.	Cr % max.	Ni % max.	Mo % max.	Cu % max.	N % max.
S420N	0.20	0.60	1.00 - 1.70	0.030	0.025	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
S420N	0.48	0.50	0.52

- 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, 15<sup>th</sup> of March 2018