



**Spartan UK Ltd**

**Declaration of Performance**

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

**DOP/2019/S420NL**

Unique identification code of the product - type:  
**DOP/2019/S420NL**

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

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

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

Name and representative whose mandate covers the tasks specified in Article 12 (2):

**Not Applicable**

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+**

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 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 dated 15/10/2020

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, 20th of October 2020

Essential Characteristic	Declared Performance		Harmonised Standard											
	Nominal thickness (mm)	Values (MPa) Min												
Yield Strength	≤ 16	420	EN 10025-1 (2004)											
	> 16 ≤ 40	400												
	> 40 ≤ 63	390												
	> 63 ≤ 80	370												
	> 80 ≤ 100	360												
	> 100 ≤ 150	340												
	> 150 ≤ 200	330												
Tensile Strength	≤ 100	520 to 680	EN 10025-1 (2004)											
	> 100 ≤ 200	500 to 650												
	> 200 ≤ 250	500 to 650												
Elongation	≤ 40	19	EN 10025-1 (2004)											
	> 40 ≤ 63	19												
	> 63 ≤ 80	18												
	> 80 ≤ 200	18												
	> 200 ≤ 250	18												
Impact strength for longitudinal test specimens KV	Test temperature (°C)		Min Values (J)											
	20		63											
	0		55											
	-10		51											
	-20		47											
	-30		40											
	-40		31											
	-50		27											
<b>Chemical composition of the ladle analysis:</b>														
	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.
S420NL	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
<b>Maximum CEV based on ladle analysis</b>														
Maximum CEV in % for nominal product thickness in mm														
≤ 63		> 63 ≤ 100	> 100 ≤ 250											
S420NL	0.48	0.50	0.52											



0045

Spartan UK Ltd, Ropery Road, Gateshead, Tyne and Wear, NE8 2RD Great Britain

O6

0045-CPR-0950

DOP No: DOP/2019/S420N

EN10025-1:2004

Hot rolled plates from structural steels of Grade S420NL / 1.8912 according to EN10025-3:2019

**Intended uses:**

Building constructions or civil engineering in accordance with EN1090 when supplied with 3.1 certification to EN10204 containing product identification details.

Information on regulated characteristics in accordance with EN10025-3 for:

Tensile Strength:

Yield Strength:

Elongation:

Impact Strength:

Weldability:

Regulated substance: No performance determined