

HBIS GROUP Serbia Iron & Steel d.o.o. Belgrade

1) Unique identification code of the product type:

DoP No : 3550340 revision: 0

Hot Rolled Steel S355N-EN 10025-3/2019

2) Intended use or uses of the construction product:

To be used for metal structures

3) Contact address of manufacturer :

HBIS GROUP Serbia Iron & Steel d.o.o. Belgrade

Bulevar Mihajla Pupina 6, Beograd-Novi Beograd

11000 Beograd

Republic of Serbia

+381 26 692 099

www.hbisserbia.rs

4) Authorised representative:

Not applicable

5) System/s of AVCP:

2+

6) Harmonised standard:

EN 10025-1:2004

Notified body No:

0045

TÜV NORD Systems GmbH & Co.KG

D-22525 Hamburg, Kenn.Nr. 0045

7) Declared performance:

DoP No : 3550340

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape		EN 10051/2010		EN 10025-3/2019
Yield Strength, MPa	Nom. Thickness, mm	min.	max.	
$R_{eH} (R_{p0.2})$	≤ 15.0	355		EN 10025-3/2019
Tensile Strength, MPa				
R_m	< 3.0	470	630	EN 10025-3/2019
R_m	$\geq 3.0 \leq 15.00$	470	630	EN 10025-3/2019
Elongation, %				
A_{80}	≤ 1.5	22		EN 10025-3/2019
A_{80}	$> 1.5 \leq 2.0$	22		EN 10025-3/2019
A_{80}	$> 2.0 \leq 2.5$	22		EN 10025-3/2019
A_{80}	$> 2.5 < 3.0$	22		EN 10025-3/2019
$A_{5.65\sqrt{S_0}}$	$\geq 3.0 \leq 15.0$	22		EN 10025-3/2019
Tensile test specimen		Transversal		EN 10025-3/2019
Absorbed energy, J	$\geq 6.0 \leq 15.0$	40		EN 10025-3/2019
Temperature		-20		EN 10025-3/2019
Impact test specimen		Longitudinal		EN 10025-3/2019
Weldability				
CEV, wt. %	≤ 15.0		0,43	EN 10025-3/2019
for Si $\leq 0,04$ %, increase CEV by 0,02 %; for Si $\leq 0,25$ %, increase CEV by 0,01 %.				
Durability, wt. %				
Chem. Compos., wt. %	≤ 15.0	min.	max.	
C		0,00	0,20	EN 10025-3/2019
Mn		0,90	1,65	EN 10025-3/2019
Si		0,00	0,50	EN 10025-3/2019
P		0,000	0,030	EN 10025-3/2019
S		0,000	0,025	EN 10025-3/2019
Al		0,020		EN 10025-3/2019
N			0,015	EN 10025-3/2019
Cu		0,00	0,55	EN 10025-3/2019
Ni		0,00	0,50	EN 10025-3/2019
Cr		0,00	0,30	EN 10025-3/2019
Mo		0,00	0,10	EN 10025-3/2019

For elements not defined in tables for the chemical composition for heat analysis, limit values of Table 1 of EN 10020:2000 shall apply as maximum values
Suitability for hot-deep zinc-coating: Category A: Si \leq 0,03% and Si+2,5P \leq 0,090%; Category B: 0,14% \leq Si \leq 0,25%; Category D: 0,25% \leq Si \leq 0,35%.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance 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:

Šutovic Željko, General Manager of Quality Assurance


<https://hbisserbia.rs/declaration-of-performance-dop/>

At: Smederevo

On: 01-sep-21