

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

1) Unique identification code of the product type:

DoP No : 3550527 revision: 0

Hot Rolled Steel S355NL-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](http://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 : 3550527

Essential characteristic		Performance	Harmonised technical specification
<b>Tolerances on dimensions and shape</b>		EN 10051/2010	EN 10025-3/2019
<b>Yield Strength, MPa</b>	<b>Nom. Thickness, mm</b>	<b>min.</b>	<b>max.</b>
$R_{eH}(R_{p0.2})$	$\leq 15.0$	355	EN 10025-3/2019
<b>Tensile Strength, MPa</b>			
$R_m$	$< 3.0$	470	630
$R_m$	$\geq 3.0 \leq 15.00$	470	630
<b>Elongation, %</b>			
$A_{80}$	$\leq 1.5$	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
<b>Tensile test specimen</b>		Transversal	EN 10025-3/2019
<b>Absorbed energy, J</b>	$\geq 6.0 \leq 15.0$	27	EN 10025-3/2019
<b>Temperature</b>		-50	EN 10025-3/2019
<b>Impact test specimen</b>		Longitudinal	EN 10025-3/2019
<b>Weldability</b>			
<b>CEV, wt. %</b>	$\leq 15.0$	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 %.			
<b>Durability, wt. %</b>			
<b>Chem. Compos., wt. %</b>	$\leq 15.0$	<b>min.</b>	<b>max.</b>
<b>C</b>		0,00	0,18
<b>Mn</b>		0,90	1,65
<b>Si</b>		0,00	0,50
<b>P</b>		0,000	0,025
<b>S</b>		0,000	0,020
<b>Al</b>		0,020	
<b>N</b>			0,015
<b>Cu</b>		0,00	0,55
<b>Ni</b>		0,00	0,50
<b>Cr</b>		0,00	0,30
<b>Mo</b>		0,00	0,10

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 is issued, in accordance with Regulation(EU) No 305/2011, under the sole responsibility of the manufacturer identified

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