

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

1) Unique identification code of the product type:

DoP No : 35503

revision: 1

Hot Rolled Steel S355J2-EN 10025-2/2019

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.hbiss Serbia.rs](http://www.hbiss Serbia.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 : 35503

Essential characteristic		Performance		Harmonised technical specification
<b>Tolerances on dimensions and shape</b>		EN 10051/2010		EN 10025-2/2019
<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 10025-2/2019
<b>Tensile Strength, MPa</b>				
$R_m$	$< 3.0$	510	680	EN 10025-2/2019
$R_m$	$\geq 3.0 \leq 15.00$	470	630	EN 10025-2/2019
<b>Elongation, %</b>				
$A_{80}$	$\leq 1.5$	13		EN 10025-2/2019
$A_{80}$	$> 1.5 \leq 2.0$	14		EN 10025-2/2019
$A_{80}$	$> 2.0 \leq 2.5$	15		EN 10025-2/2019
$A_{80}$	$> 2.5 < 3.0$	16		EN 10025-2/2019
$A_{5.65\sqrt{S_0}}$	$\geq 3.0 \leq 15.0$	20		EN 10025-2/2019
<b>Tensile test specimen</b>		Transversal		EN 10025-2/2019
<b>Absorbed energy, J</b>	$\geq 6.0 \leq 15.0$	27		EN 10025-2/2019
<b>Temperature</b>		-20		EN 10025-2/2019
<b>Impact test specimen</b>		Longitudinal		EN 10025-2/2019
<b>Weldability</b>				
<b>CEV, wt. %</b>	$\leq 15.0$		0,45	EN 10025-2/2019

for Si  $\leq 0,04$  %, increase CEV by 0,02 %; for Si  $\leq 0,25$  %, increase CEV by 0,01 %.

**Durability, wt. %**

<b>Chem. Compos., wt. %</b>	$\leq 15.0$	<b>min.</b>	<b>max.</b>	
<b>C</b>		0,00	0,20	EN 10025-2/2019
<b>Mn</b>		0,00	1,60	EN 10025-2/2019
<b>Si</b>		0,00	0,55	EN 10025-2/2019
<b>P</b>		0,000	0,025	EN 10025-2/2019
<b>S</b>		0,000	0,025	EN 10025-2/2019
<b>Al</b>		0,020		EN 10025-2/2019
<b>N</b>				EN 10025-2/2019
<b>Cu</b>		0,00	0,55	EN 10025-2/2019
<b>Ni</b>		0,00	0,42	EN 10025-2/2019
<b>Cr</b>		0,00	0,29	EN 10025-2/2019
<b>Mo</b>		0,00	0,11	EN 10025-2/2019

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:  $0,25\% < Si \leq 0,35\%$ .

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 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-apr-20