

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

1) Unique identification code of the product type:

DoP No : 35502 revision: 1

Hot Rolled Steel S355JO-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

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 : 35502

Essential characteristic		Performance		Harmonised technical specification
Tolerances on dimensions and shape		EN 10051/2010		EN 10025-2/2019
Yield Strength, MPa	Nom. Thickness, mm	min.	max.	
$R_{eH} (R_{p0.2})$	≤ 15.0	355		EN 10025-2/2019
Tensile Strength, MPa				
R_m	< 3.0	510	680	EN 10025-2/2019
R_m	$\geq 3.0 \leq 15.00$	470	630	EN 10025-2/2019
Elongation, %				
A_{80}	≤ 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
Tensile test specimen		Transversal		EN 10025-2/2019
Absorbed energy, J	$\geq 6.0 \leq 15.0$	27		EN 10025-2/2019
Temperature		0		EN 10025-2/2019
Impact test specimen		Longitudinal		EN 10025-2/2019
Weldability				
CEV, wt. %	≤ 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. %

Chem. Compos., wt. %	≤ 15.0	min.	max.	
C		0,00	0,20	EN 10025-2/2019
Mn		0,00	1,60	EN 10025-2/2019
Si		0,00	0,55	EN 10025-2/2019
P		0,000	0,030	EN 10025-2/2019
S		0,000	0,030	EN 10025-2/2019
Al		0,020		EN 10025-2/2019
N		0,000	0,012	EN 10025-2/2019
Cu		0,00	0,55	EN 10025-2/2019
Ni		0,00	0,42	EN 10025-2/2019
Cr		0,00	0,29	EN 10025-2/2019
Mo		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