

DECLARATION OF PERFORMANCE No. **SM8-S235J0W**

1. Unique identification code of the product-type: **SMS235J0W**

Product Name	Steel Grade	Standard
Round bars 16÷50 mm; Flat bars 70÷200x5÷40 mm; Square bars 16x16÷50x50 mm	S235J0W	EN 10025-5:2019
Equal angle 70÷120x6÷12 mm, Unequal angle 90÷120x50÷80x6÷12 mm		
Plain C-profile UPN 80÷140x45÷60 mm		
Plain C-profile UPE 80÷140x50÷65 mm		
I-beam HE(A) 96x100 mm, HE(B) 100x100 mm		
I-beam IPE 80÷140 mm, IPN 80÷140 mm		

2. Intended use or uses:

For metal constructions or for composite constructions of metal and concrete

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**„Cognor S.A. ul. Zielona 26, 42-360 Poraj,
Oddział Ferrostal w Siemianowicach Śląskich”
ul. Pawła Stalmacha 8, 41-106 Siemianowice Śląskie**

5. System or systems of assessment and verification of constancy of performance:
System 2+

6. Harmonized standard:

EN 10025-1:2004

The notified body: **Zakłady Badań i Atestacji „ZETOM” im. Prof. F. Stauba w
Katowicach sp. z o.o. ul. Ks. Bpa. H. Bednorza 17, 40-384 Katowice**

Notified body registration number: 1436

7. Declared performance:

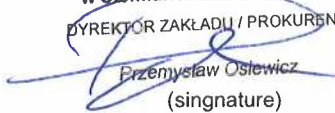
Essential characteristics	Performance							Harmonised technical specification
Tolerance of measurements and shapes	Flat bars	PN-EN 10058						
	Square bars	PN-EN 10059						
	Round bars	PN-EN 10060						
	Equal angle	PN-EN 10056-1, PN-EN 10056-2						
	Unequal angle	PN-EN 10056-1, PN-EN 10056-2						
	I-beam	PN-EN 10034, PN-EN 10024						
	Plain C-profile	PN-EN 10279						
Elongation	Nominal thickness t [mm]	Value S235J0W						
	≥ 3 ≤ 40	min. 26						
	> 40 ≤ 63	min. 25						
Tensile strength Rm	Nominal thickness t [mm]	Value S235J0W						
	≥ 3 ≤ 100	360 ± 510 [MPa]						
Yield strenght Re	Nominal thickness t [mm]	Value S235J0W						
	≤ 16	min. 235 [MPa]						
	> 16 ≤ 40	min. 225 [MPa]						
	> 40 ≤ 63	min. 215 [MPa]						
Impact strength- breaking work KV ^a	Nominal thickness t [mm]	Value S235J0W						
	≤ 150	min. 27 [J]						
Weldability CEV	Value S235J0W							
	max 0,44 %							
Persistence (chemical composition)	Value [%] S235J0W							
	C _{max}	Si _{max}	Mn	P _{max} ^b	S _{max} ^b	N _{max} ^f	Cr	Cu
	0,13	0,40	0,20-0,60	0,035	0,035	0,012	0,40-0,80	0,25-0,55

EN 10025-1:2004

^a For nominal thickness < 6mm no impact tests are required; ^b P and S content can be 0,005% higher; ^c The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present. The N binding elements shall be mentioned in the inspection document.

The performance of the product identified above is in line with the set of declared performances. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer: **Przemysław Osiewicz - Plant Director - Proxy**

**Cognor S.A. Oddział Ferrostal
w Siemianowicach Śląskich**
DYREKTOR ZAKŁADU / PROKURENT

Przemysław Osiewicz
(signature)

September 30, 2026, Siemianowice Śląskie