

DECLARATION OF PERFORMANCE No 03/2024

1. Unique identification code of the product-type: **C E L S A H**

Product name:
 Round bars $\phi 10 \div \phi 102$
 Flat bars width $12 \times 4 \div 250 \times 30$
 Square bars $10 \times 10 \div 20 \times 20$
 Angles $20 \times 20 \times 3 \div 150 \times 150 \times 15$
 Channels UPN 80 \div 300
 Normal flange I-beams IPN 80 \div 300
 Economical parallel flange I-beams IPE 80 \div 300
 Wide flange I-beams HEA 100 \div 180
 Wide flange I-beams HEB 100 \div 180
 Steel grade: S235, S275, S355 in qualities: JR, J0, J2

2. Intended use/es:

Metal structures or in composite metal and concrete structures

3. Manufacturer:

**CELSA „Huta Ostrowiec” Sp. z o.o.,
ul. Samsonowicza 2,
27-400 Ostrowiec Św.,
tel. +48 41 249 30 00, fax. +48 41 249 22 22, celsaho@celsaho.com**

5. System/s of AVCP: **2+**

6. Harmonised standard: **EN 10025-1:2004**

Notified body/es:

**Ośrodek Badań i Certyfikacji
SIMPTESTCERT Sp. z o.o.,
Zakład Certyfikacji
40-045 KATOWICE,
ul. Astrów 10,
Number: 1458**

7. Declared performance

Essential characteristics	Declared performance				Harmonised technical specification
Tolerances on dimensions and shape	pass				EN 10025-1:2004
Elongation	Nominal thickness [mm]	≥ 3 ≤ 40	> 40 ≤ 63	> 63 ≤ 100	EN 10025-1:2004
	Minimum percentage elongation after fracture [%]				
	S235JR, S235J0	26	25	24	
	S235J2	24	23	22	
	S275JR, S275J0	23	22	21	
	S275J2	21	20	19	
Tensile strenght	S355JR, S355J0, S355J2	22	21	20	EN 10025-1:2004
	S235JR, S235J0, S235J2	Rm = 360 \div 510 MPa			
	S275JR, S275J0, S275J2	Rm = 410 \div 560 MPa			
	S355JR, S355J0, S355J2	Rm = 470 \div 630 MPa			

Essential characteristics	Declared performance											Harmonised technical specification		
Yield strenght	Nominal thickness [mm]		≤ 16	> 16 ≤ 40	> 40 ≤ 63	> 63 ≤ 80	> 80 ≤ 100						EN 10025-1:2004	
	Minimum yield strenght R _{eH} [MPa]													
	S235JR, S235JO, S235J2		235	225	215	215	215							
	S275JR, S275JO, S275J2		275	265	255	245	235							
Impact strenght	S235JR, S275JR, S355JR		Min average energy in temperature 20°C 'not applicable or ≥ 27 J									EN 10025-1:2004		
	S235JO, S275JO, S355JO		Minimum average energy in temperature 0°C ≥ 27 J											
	S235J2, S275J2, S355J2		Minimum average energy in temperature -20°C ≥ 27 J											
Weldability (Chemical composition) Durability (Chemical composition)	Nominal thickness [mm]	C			Si	Mn	P	S	Cu	N	CEV			
		≤ 16	> 16 ≤ 40	> 40							≤ 30	> 30 ≤ 40	> 40	
	max. [%]													
	S235JR		0,17	0,17	0,20	-	1,40	0,040	0,040	0,55	0,012	0,35	0,35	0,38
	S235JO		0,17	0,17	0,17	-	1,40	0,035	0,035	0,55	0,012	0,35	0,35	0,38
	S235J2		0,17	0,17	0,17	-	1,40	0,030	0,030	0,55	-	0,35	0,35	0,38
	S275JR		0,21	0,21	0,22	-	1,50	0,040	0,040	0,55	0,012	0,40	0,40	0,42
	S275JO		0,18	0,18	0,18	-	1,50	0,035	0,035	0,55	0,012	0,40	0,40	0,42
	S275J2		0,18	0,18	0,18	-	1,50	0,030	0,030	0,55	-	0,40	0,40	0,42
	S355JR		0,24	0,24	0,24	0,55	1,60	0,040	0,040	0,55	0,012	0,45	0,47	0,47
S355JO		0,20	0,20	0,22	0,55	1,60	0,035	0,035	0,55	0,012	0,45	0,47	0,47	
S355J2		0,20	0,20	0,22	0,55	1,60	0,030	0,030	0,55	-	0,45	0,47	0,47	

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

Signed for and on behalf of the manufacturer by:

Robert Martynowski

at Ostrowiec Świętokrzyski

on 2024-03-27

Robert Martynowski

Dyrektor Jakości
Celsa Huta Ostrowiec

This declaration replaces:
 Declaration of Performance No 01/2023 dated 2023-05-23 r.
 Declaration of Performance No 06/2020 dated 20.05.2020 r.
 Declaration of Performance No 06/2020 dated 20.05.2020 r.
 Declaration of Performance No 02/2019 dated 19.06.2019 r.
 Declaration of Performance No 04/2017 dated 31.03.2017 r.
 Declaration of Performance No 03/2016 dated 10.10.2016 r.
 Declaration of Performance No 02/2016 dated 04.07.2016 r.
 Declaration of Performance No 01/2016 dated 23.05.2016 r.
 Declaration of Performance No 01/2013 dated 01.07.2013 r.