

DECLARATION OF PERFORMANCE

No 01/2023

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 $100 \div 160$ Wide flange I-beams HEB $100 \div 160$ Steel grade: S235, S275, S355 in qualities: JR, J0, J2
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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 strength	S235JR, S235J0, S235J2	Rm = 360 + 510 MPa			EN 10025-1:2004
	S275JR, S275J0, S275J2	Rm = 410 + 560 MPa			
	S355JR, S355J0, S355J2	Rm = 470 + 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 _{yk} [MPa]												
	S235JR, S235J0, S235J2	235		225		215		215		215			
	S275JR, S275J0, S275J2	275		265		255		245		235			
S355JR, S355J0, S355J2	355		345		335		325		315				
Impact strenght	S235JR, S275JR, S355JR	Min average energy in temperature 20°C 'not applicable or ≥ 27 J											EN 10025-1:2004
	S235J0, S275J0, S355J0	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
	S235J0	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
	S275J0	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
S355J0	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:

Stanisław Klusek

at Ostrowiec Świętokrzyski

on 2023-05-23

DYREKTOR
ds. Jakości ZWW

Stanisław Klusek

This declaration replaces:

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.