

DECLARATION OF PERFORMANCE No 04/2017

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

Product name: Round bars ϕ 10 ÷ ϕ 100 Flat bars width 12x4 ÷ 200x20 Square bars 10x10 ÷ 20x20 Angles 20x20x3 ÷ 150x150x15 Channels UPN 80 ÷ 300 Normal flange I-beams IPN 80 ÷ 300 Economical parallel flange I-beams IPE 80 ÷ 300 Wide flange I-beams HEA 100 ÷ 160 Wide flange I-beams HEB 100 ÷ 160 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:

**SIMPTEST,
Zespół Ośrodków Kwalifikacji Jakości Wyrobów,
Ośrodek Badań i Certyfikacji Sp. z o.o.,
ul. Astrów 10,
40-045 KATOWICE,
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
	Minimum percentage elongation after fracture [%]			
	S235JR, S235J0	26	25	24
	S235J2	24	23	22
	S275JR, S275J0	23	22	21
	S275J2	21	20	19
S355JR, S355J0, S355J2	22	21	20	EN 10025-1:2004
Tensile strenght	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 _{eH} [MPa]												
	S235JR, S235J0, S235J2	235		225		215		215		215			
	S275JR, S275J0, 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
	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 *2017-03-31*

Dyrektor ds. Jakości ZWW



This declaration replaces:

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.