CELSA GROUP | CELSA HUTA OSTROWIEC

DECLARATION OF PERFORMANCE
No 02/2019

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:

SIMPTESTCERT,
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	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	
	S355JR, S355J0, S355J2	22	21	20	
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	
	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)		C			Si	Mn	P	S	Cu	N	CEV			EN 10025-1:2004
	Nominal thickness [mm]	≤ 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 2019-06-19*

Dyrektor ds. Jakości ZWW
Stanisław Klusek

This declaration replaces:
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.