

DECLARATION OF PERFORMANCE
No 02/2016

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

<p>Round bars $\phi 10 \div \phi 100$ Flat bars width $12 \div 200$ mm and thickness $4 \div 20$ mm 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, JO, J2</p> <p>Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11 (4) According to the date on a label attached to bundles of the product and on inspection certificates, type 3.1</p>
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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
27-100 Ostrowiec Sw.
tel. +48 41 249 30 00, fax: +48 41 249 22 12, celsaho@celsaho.com

5. System/s of AVCP:

2+

6. Harmonised standard:

PN-EN 10025-1:2007

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	<p>Round bars $\phi 10 \div \phi 100$ Flat bars width $12 \div 200$ mm and thickness $4 \div 20$ mm 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 $100 \div 180$</p>	PN-EN 10025-1:2007

Essential characteristics	Declared performance										Harmonised technical specification			
Elongation	Nominal thickness [mm]	≥ 3		> 40		> 63								
		≤ 40		≤ 63		≤ 100								
	A5 [%]													
	S235JR, S235J0		26		25		24							
	S235J2		24		23		22							
Tensile strenght	S275JR, S275J0		23		22		21							
	S275J2		21		20		19							
	S355JR, S355J0, S355J2		22		21		20							
Tensile strenght	S235JR, S235J0, S235J2		Rm = 360 + 310 MPa											
	S275JR, S275J0, S275J2		Rm = 410 + 360 MPa											
	S355JR, S355J0, S355J2		Rm = 470 + 430 MPa											
Yield strenght	Nominal thickness [mm]	≤ 16		> 16		> 40		> 63		> 80				
		≤ 40		≤ 63		≤ 80		≤ 100						
	Minimum yield strenght R _{eL} [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		not applicable or ≥ 27J											
	S235J0, S275J0, S355J0		≥ 27J											
	S235J2, S275J2, S355J2		≥ 27J											
Weldability (Chemical composition) Durability (Chemical composition)	Nominal thickness	C		Si	Mn	P	S	Cu	N	CEV				
		≤ 16	> 16	> 40							≤ 30	> 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	0,012	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	0,012	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	0,012	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 2016-07-04

Dyrektor ds. Jakości ZWW

Stanisław Klusek

Dyrektor ds. Jakości ZWW
Stanisław Klusek

This declaration replaces:
Declaration of Performance No 01/2016 dated 23.05.2016 r.
Declaration of Performance No 01/2013 dated 01.07.2013 r.