

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Product	weldable hot rolled reinforcing steel in coils
Type	CELSAMAX B500SP, diameters 10, 12, 14, 16 and 20 mm
Intended use	for the reinforcement of concrete structures
Performances	see annex 1
Manufacturer	CELSA "Huta Ostrowiec" Sp. z o.o., ul. Samsonowicza 2, 27-400 Ostrowiec Sw., Poland
Manufacturing plant	CELSA "Huta Ostrowiec" Sp. z o.o., ul. Samsonowicza 2, 27-400 Ostrowiec Sw., Poland
Requirements	LST EN 10080:2006 and declared performances according the producer's technical specification WT0.4.003 (see annex 1)

This certificate is issued having performed actions prescribed for system 1+ in STR 1.01.04:2015 and confirms that the product complies with requirements set out in this certificate.

Number	SPSC-9278
Date of issue	2023-04-25 (first issued on 2014-04-26)
Valid until	2026-04-25 (information www.spsc.lt)
Granted to	CELSA "Huta Ostrowiec" Sp. z o.o., ul. Samsonowicza 2, 27-400 Ostrowiec Sw., Poland, company code 016364209

Director



Valdemaras Gauronskis

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Statybos produkcijos sertifikavimo centras accredited by the Lithuanian National Accreditation Bureau for products certification according to LST EN ISO/IEC 17065 (accreditation certificate No LA.03.004) and is the body for certification of building products designated by Minister of Environment



ANNEX 1 TO CERTIFICATE No. SPSC-9278

Issued 2023-04-25

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Type CELSAMAX B500SP,
diameters 10, 12, 14, 16 and 20 mm

Essential characteristics and performances

Essential characteristic	Test method	Performance
Percentage total elongation at maximum force A_{gt} , % (characteristic value)	LST EN ISO 15630-1:2019	8,0
Weldability (product analysis): - carbon equivalent C_{eq} , %; - limitations on the content of certain elements, %	LST EN 10080:2006 spectrometric methods	$\leq 0,52$ pass
Tolerances	LST EN ISO 15630-1:2019	pass
Bendability	LST EN ISO 15630-1:2019	pass
Bonding strength (surface geometry)	LST EN ISO 15630-1:2019	pass
Ratio tensile strength/yield strength R_m / R_e (characteristic value)	LST EN ISO 15630-1:2019	$\geq 1,15$ $< 1,35$
Tensile yield strength R_e , MPa (characteristic value)	LST EN ISO 15630-1:2019	500
Fatigue, number of stress cycles	LST EN ISO 15630-1:2019	NPD
Durability (product analysis), %: - carbon C; - sulphur S; - phosphorus P; - nitrogen N; - cooper Cu; - carbon equivalent C_{eq}	spectrometric method spectrometric method spectrometric method spectrometric method spectrometric method LST EN 10080:2006	$\leq 0,24$ $\leq 0,055$ $\leq 0,055$ $\leq 0,014$ $\leq 0,85$ $\leq 0,52$

Director




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