



CERTIFICATE OF CONSTANCY OF PERFORMANCE

Product	weldable hot rolled reinforcing steel bars
Types	technical classes: - B500C, - B500SP; diameters 10, 12, 14, 16, 18, 20, 22, 25, 28 and 32 mm
Intended use(s)	for the reinforcement of concrete structures
Performances	see Annex 1
Manufacturer	CMC POLAND Sp. z o.o, ul. Piłsudskiego 82, 42-400 Zawiercie, Poland
Manufacturing plant	CMC POLAND Sp. z o.o, ul. Piłsudskiego 82, 42-400 Zawiercie, Poland
Requirements	LST EN 10080:2006 and declared by the producer performances

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-9665
Date of issue	2023-03-14 (first issued on 2022-11-29)
Valid until	2025-11-29 (information www.spsc.lt)
Granted to	CMC POLAND Sp. z o.o, ul. Piłsudskiego 82, 42-400 Zawiercie, Poland, company code (REGON) 272819315

Director



Valdemaras Gauronskis

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ANNEX 1 TO CERTIFICATE No. SPSC-9665

Issued 2023-03-14

Product weldable hot rolled reinforcing steel bars
Types technical classes: - B500C,
 - B500SP;
 diameters 10, 12, 14, 16, 18, 20, 22, 25, 28 and 32 mm

Essential characteristics and performances

Essential characteristic	Test method	Performance
Elongation A_{gt} (characteristic value), %	LST EN ISO 15630-1:2019	7,5
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
Stress ratio R_m / R_e (characteristic value)	LST EN ISO 15630-1:2019	$\geq 1,15$ $< 1,35$
Tensile yield strength R_e (characteristic value), MPa	LST EN ISO 15630-1:2019	500
Fatigue, number of force cycles	LST EN ISO 15630-1:2019	2×10^6
Durability (product analysis), %: - carbon, C; - sulphur, S; - phosphorus, P; - nitrogen, N; - cooper, Cu; - carbon equivalent, C_{eq}	spectrometric method LST EN 10080:2006	$\leq 0,24$ $\leq 0,055$ $\leq 0,055$ $\leq 0,014$ $\leq 0,85$ $\leq 0,52$
Rolling marking: "8/21" per each 0,5-1,5 meter		

Director



Valdemaras Gauronskis