

Product Certificate for Reinforcing Steel Products

No.: DK-FC-053-10080-003 version 3

Issued by FORCE Certification A/S in accordance with ABC-Reinforcing steel
General terms for certification of reinforcing steel products 17th edition – October 2019

Issued to:	CMC Poland Sp. zo.o. ul. Piłsudskiego 82 Zawiercie, 42-400 Poland
for the following product:	Reinforcing steel in fabric
Production address:	ul. Piłsudskiego 82A, Zawiercie, 42-400, Poland
Certified product:	Reinforcing steel in machine welded fabric
Manufacturing process:	Non-alloyed cold rolled, ribbed, coiled, de-coiled and machine welded. Documents for specification of cold rolling, welding and heat treatment are specified overleaf.
Product specifications:	Characteristic strength, $R_{eH} = 550 \text{ N/mm}^2$ (MPa) Characteristic ductility, $R_m / R_{eH} = 1,08$ and $A_{gt} = 5\%$ Class: B, according to Euro code 2 Characteristic bonding $f_R = 0,035$ for $d = 6 \text{ mm}$ $f_R = 0,040$ for $7 \text{ mm} \leq d \leq 12 \text{ mm}$ Diameters, $D = 6 \text{ mm}$ through 12 mm
Standard specifications:	Weight per meter, shear force of weld, weld ability, and fatigue are all fulfilled according to DS/EN 10080:2006 and DS/EN 1992-1-1+AC, Annex C 2008 (Euro Code 2).
Rib geometry:	As shown overleaf
Rolled-in marking:	1-4-9, as shown overleaf
Initial Inspection:	FORCE-Dantest CERT file No. m1472-233317 / 119-35017
Type testing:	FORCE Technology file 111-24837
Previous version:	DK-FC-053-10080-003 version 2

The examined reinforcing steel product fulfils the requirements in Danish Standard DS/EN 10080, 2nd Edition 2006-01-13, as well as Eurocode 2, DS/EN 1992-1-1+AC:2008 including DS/EN 1992-1-1 DK NA:2017.

The product certificate is valid until the date of expiry provided that periodical inspections are carried out during this period. If the product is altered or modified or the certification agreement terminates this certificate is no longer valid. The manufacturer shall inform FORCE Certification A/S about any planned modification.

Date of issue: 2021-08-26
Date of expiry: 2025-03-02
FC task No.: 121-30541
FC ID No.: DK-0200-08174-3

Signature:

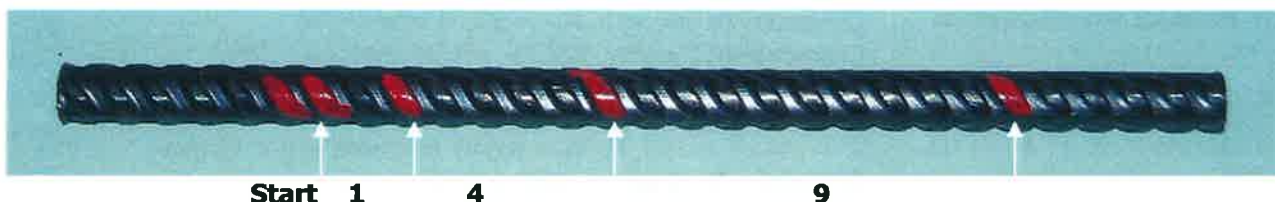


Kasper Munk Eliassen
Certification Manager

The basis for issuing of certificate DK-FC-053-10080-003 version 3

Danish Standard	DS/EN 10080, 2 nd Edition 2006-01-13
FORCE Certification document	Publication ABC-Reinforcing steel 17 th Edition of October 2019
FORCE Certification document	Audit check list
Initial Inspection Report	FORCE-Dantest CERT file No. m1472-233317 (PPU Ecosteel) and 119-35017 (transfer to new owner CMC Poland).
Type Testing Report(s)	FORCE Technology file No. 111-24837
Continuous surveillance	Annual audit reports
QA responsible to FORCE Certification	Rafał Supernak
Note version 3	Welding information deleted.

Rib configurations and marking



One side: Two thickened ribs for start - one normal rib - one thickened rib - four normal ribs - one thickened rib - nine normal ribs - one thickened rib, giving the code 1-49
Other side: Two thickened ribs for grade 550