

Product Certificate

Reinforcing Steel Products

No.: DK-FC-030-10080-001 version 3

According to EN 10080, 2nd Edition 2006-01-13 and ABC-Reinforcing steel 9th Edition, product certificate is issued to:

Badische Stahlwerke GmbH
Graudenzer Straße 45
D-77694 Kehl/Rhein
Germany

for the following product:

Reinforcing steel in coils

Production address:

Badische Stahlwerke GmbH
Zur Rauhen Horst 7
D-32312 Lübbecke
Germany

Certified product:

Reinforcing steel in coils

Manufacturing process:

Non-alloyed hot rolled, ribbed , cold stretched and coiled

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 $f_R = 0,040$ for $8 \text{ mm} \leq d \leq 12 \text{ mm}$
 $f_R = 0,056$ for $d > 12 \text{ mm}$
Diameters, $D = 8 \text{ mm}, 10 \text{ mm}, 12 \text{ mm}, 14 \text{ mm}$ and 16 mm

Standard specifications:

Weight per meter, bend ability, weld ability and fatigue are all fulfilled

Straightening:

Suitable for roller and spinner straightening

Rib geometry:

As shown overleaf and extra mark for grade 550 MPa

Rolled-in marking:

1 (Germany) and 21 (BSW) as shown overleaf

Initial Inspection:

FORCE Certification: File No. m1472-210140 and 80.971-606/09

Type testing:

FORCE Technology: File No. 109-26570, 111-24835 and historical data

Previous certificate

This certificate replaces certificate No. DK-FC-030-10080-001 version 2

The examined reinforcing steel product fulfils the requirements in EN 10080, 2nd Edition 2006-01-13. The product certificate is valid for 5 years from the date of issue provided that periodical inspections are carried out during this period according to Annex A of the standard. If the product is altered or modified or the certification agreement terminates this certificate is no longer valid.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 (yyyy-mm-dd):

2016-05-04

Expiry date (yyyy-mm-dd):

2021-05-04

FORCE Certification A/S:

ID: 676/116-25802

Signature:

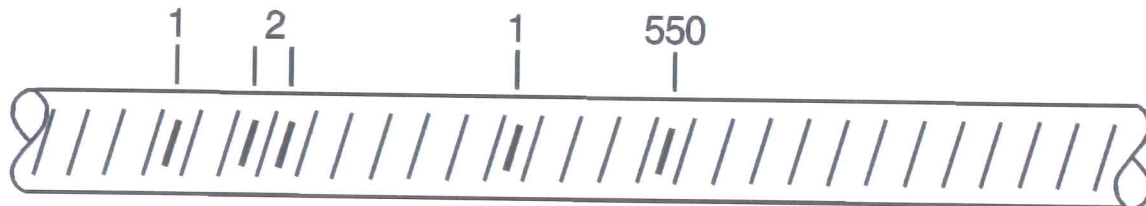


Kasper Munk Eliassen
Certification Manager

The basis for issuing of certificate DK-FC-030-10080-001 version 3

Danish Standard	EN 10080, 2nd Edition 2006-01-13
FORCE Certification	Publication 1816-5-da, ABC-Reinforcing steel, 9th Edition of March 2009
FORCE Certification	Check list, Edition 1
Initial Inspection Report	FORCE Technology file no. m1472-210140 and FORCE Certification file no. 80.971-606/09
Type Testing Report	FORCE Technology file no. 107-22027.a, 107-22027.b, 107-22027.c, 108-31983, 109-26570, 111-24835, 115-32202 and historical data
QA responsible to FORCE Certification	Jürgen Schulz

Rolled in code:



Or

