

TYPE APPROVAL DECISION

No: F2204

The type approval body GlobeCert AB has issued a type approval decision based on the Act on the type Approval of Certain Construction Products (954/2012) to demonstrate that the product meets the requirements of the documents Ministry of the Environment Decree on essential technical requirements of weldable reinforcing steel and mesh reinforcements 125/2016 (**Ympäristöministeriön asetus hitsattavien betoniterästen ja betoniteräsverkkojen olennaisista teknisistä vaatimuksista 125/2016**) and Ministry of the Environment Decree on type approval of weldable reinforcing steel and mesh reinforcements 126/2016 (**Ympäristöministeriön asetus hitsattavien betoniterästen ja betoniteräsverkkojen tyyppihväksynnästä 126/2016**).

The decision concerns the following manufacturer and product:

Manufacturer of the product:

KROMAN ÇELİK SANAYİ AŞ

Emek Mah. Asiroglu Cad No: 155, Kocaeli, Istanbul, TURKEY

Production site: Darica-Kocaeli

www.kromancelik.com.tr

Product identification:

Reinforced coils diameters 8-20mm

Reinforced bars diameters 8-40mm

The product or it's identification tag (label) must include the type approval mark, quality mark **B500B or B500C**, name of the manufacturer, manufacturing site and type approval identification. The manufactures mark to be rolled into the product. The manufactures site mark is:**9+4+1**

Product specification:

The products characteristics are:

- Yield strength ≥ 500 MPa
- Relation tensile/yield $\geq 1,15$
- Ductility $\geq 7,5\%$
- Fatigue strength: Fulfills the requirement of Fa
- Mass fulfills the requirement
- Weldability and long-term durability fulfill the requirements
- Bendability fulfills the requirements

The product is designed to be used for the reinforcement of load-bearing concrete structures. The technical properties of the product have been type tested in the extent presented in standard **SFS 1300:2020**, and the Producers internal production quality control system meets the requirements of the standard.

Production and marking to be in accordance with the rules of the Ministry of Environment.
Applicable Acts and rules, Finlex 954/2012, 125/2016, 126/2016 and 555/2013.



The type approval decision is based on the initial production inspection and the testing commissioned by the type approval body. The decision is in effect provided that the requirements included in the General Rules for Product Certification and the above-mentioned regulations and documents are continuously met. The quality control certifier mentioned in the annex continuously monitors the internal production quality control carried out by the factory and performs selection and testing of random samples. If the product is transferred to the scope of the CE marking, the type approval expires. The validity of the decision can be checked at www.globecert.se.

Issued
07-11-2022

Time of validity
07-11-2025



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GlobeCert AB
Matti Ståhlberg
Type approval responsible

GlobeCert AB in Sweden as approved type approval body by Ministry of the Environment in Finland will carry out the initial inspection and the continuous surveillance of factory production control according to VN/7317/2021 valid until 11-02-2025.

The decision is based on the following audits and test reports:

**Test reports 22075, 22076, 22077, 22078, 22079, 22080, 22081, 22082,
AB-1160-T / N2208011, N2208012, Audit report 2-22 dated 04.11.2022**