

TYPE APPROVAL DECISION



Issued 5.3.2024

English version 5.3.2024

Updated 8.1.2025

Valid until 5.3.2029

Eurofins Expert Services Oy has, based on the act given about the approval of certain construction products (954/2012) 5§ and taking into account the provisions of the chapter 2 and provisions of 1§ of decree given by the Ministry of the Environment on the approval of certain construction products (555/2013), issued the following type approval.

MANUFACTURER

UAB Litspringas, Lithuania

PRODUCT

Reinforcing coils:

B600XA 1.4301: diameters d 5-12 mm

- characteristic value of yield strength 600 MPa
- characteristic value of tensile strength 660 Mpa
- characteristic value of ratio $R_m/R_{p0.2}$ 1,05
- characteristic value of total elongation 3,0%
- Mass per meter: meets the requirements
- Bond properties and rib geometry: meets the requirements
- bendability: meets the requirements
- chemical content: meets the requirements

B600XB 1.4301: diameters d 5-12 mm

- characteristic value of yield strength 600 MPa
- characteristic value of tensile strength 660 Mpa
- characteristic value of ratio $R_m/R_{p0.2}$ 1,08
- characteristic value of total elongation 5,0%
- Mass per meter: meets the requirements
- Bond properties and rib geometry: meets the requirements
- bendability: meets the requirements
- chemical content: meets the requirements

B600XC 1.4301: diameters d 5-12 mm

- characteristic value of yield strength 600 MPa
- characteristic value of tensile strength 690 Mpa
- characteristic value of ratio $R_m/R_{p0.2}$ 1,15...1,35
- characteristic value of total elongation 7,5%
- Mass per meter: meets the requirements
- Bond properties and rib geometry: meets the requirements
- bendability: meets the requirements
- chemical content: meets the requirements

SCOPE OF THE APPROVAL

With this approval, it is stated that the above-mentioned products meet the essential technical requirements set by the Ministry of the Environment's Regulation 125/2016 for weldable concrete steel.

The intended use of the product is reinforcement for load-bearing concrete structures. The technical properties of the product have been type-tested to the extent presented by the standard SFS 1259:2016. The internal quality control system of the factory's production has been checked in the initial inspection and it has been found to meet the requirements of the standard.

Technical data and installation instructions related to the product must be delivered with the product, if necessary.

CONDITIONS OF THE APPROVAL

Technical data and installation instructions related to the product must be delivered with the product.

MARKING

Parallel ribs at equal spacing on three sides is rolled to the coils. A rolled identification mark of the producer "6/11" and the technical class of the reinforcing steel must be marked to the product.

The marking of the product must fulfil the requirements of standard SFS 1259:2016. The product should be delivered with durable label. Attestation of conformity, identification number granted by the certification body in form "24-876-TH", product specification, nominal diameter, weight of the coil, batch or cast number, manufacturer, and manufacturing location.

VALIDITY PERIOD

The validity of this decision starts on 5.3.2024 and ends no later than on 5.3.2029

VERIFICATION OF THE QUALITY CONTROL**VERIFICATION BODY OF QUALITY CONTROL**

Eurofins Expert Services Oy, Espoo

QUALITY CONTROL CONTRACT

Quality contract number A-1038-23 signed on 11.8.2023 or updated afterwards.

REMARKS

Type Approval decision is public. The list is kept on the websites of the Eurofins Expert Services Oy.

Eurofins Expert Services Ltd acts as a type approval body based on the act given about the approval of certain construction products 18§, authorized by the Finnish Ministry of the Environment and as a certification body (S017) accredited by FINAS.

The certificate was updated on the 8th of January 2025. Diameter 12 mm was added to the scope of the approval.

CONDITIONS OF THE VALIDITY

If the product enters the CE marking the type approval expires.

The type approval decision is issued for maximum of 5 years at a time.

Eurofins Expert Services requires annual surveillance for the manufacturer's internal quality control in order to verify that the product corresponds to the properties that manufacturer has declared.

The manufacturer is in charge of the product's quality and factory production control. In awarding this certificate, Eurofins Expert Services Oy does not bind itself to indemnification liability concerning personal injury or other damage that may directly or indirectly result from using the product described in this certificate.

The use of the name of Eurofins Expert Services Oy or the name Eurofins in any other form in advertising or distribution in part of this Type Approval is only permissible with a written authorization from Eurofins Expert Services Oy.

CANCELLATION OF THE TYPE APPROVAL

The type approval decision will be cancelled if:

- The construction product does not fulfil the requirements presented in the land use and building act or the technical requirements based on the act.
- The importer or the manufacturer or its representative does not correct the flaws detected by the quality control.
- The usage of the construction product is prohibited by Finnish Safety and Chemicals Agency (Tukes) or the importer or the manufacturer or its representative is ordered to withdraw the product from the markets by Tukes.

BASIS OF THE APPROVAL

Decree of the Ministry of the Environment on the type approval of weldable concrete steel and concrete steel fabrics 126/2016, valid from 1st of March 2016

Decree of the Ministry of the Environment on the essential technical requirements of weldable concrete steel and concrete steel fabrics 125/2016, valid from 1st of March 2016

Katja Vahtikari
Manager, Construction
Certification

Jyri Alkio
Assessor
jyrialkio@eurofins.fi

This document has been signed electronically

This Type Approval is the English version of the original Type Approval. In case of dispute, the Finnish original Type Approval is valid.

ANNEXES

Type approval logo
Rectification demand- and reclamation guide

FOR INFORMATION

Eurofins Expert Services Oy, Quality control