

# Type Approval Decision

## No. 10089-02

1 (2)

The Type Approval body **Inspecta Sertifiointi Oy** 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 **Ympäristöministeriön asetus hitsattavien betoniterästen ja betoniteräsverkkojen olennaisista teknisistä vaatimuksista 125/2016** (Ministry of the Environment Decree on essential technical requirements of weldable reinforcing steel and mesh reinforcements) and **Ympäristöministeriön asetus hitsattavien betoniterästen ja betoniteräsverkkojen tyyppihyväksynnästä 126/2016** (Ministry of the Environment Decree on type approval of weldable reinforcing steel and mesh reinforcements). The decision concerns the following product:

### Reinforcing coils B500B, diameters 6 - 16 mm

The characteristics of the product are as follows:

- Characteristic value of  $R_m$   $\geq 500$  MPa
- Characteristic value of ratio  $R_m/R_{eH}$   $\geq 1,08$
- Characteristic value of  $R_{m,0.01}$   $\geq 500$  MPa
- Fatigue resistance: meets the requirements  $F_a$
- Mass per metre: meets the requirements
- Weldability and long-term durability: meets the requirements
- Bond properties and rib geometry: meets the requirements
- Bendability: meets 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 **EN 10080:2008**.

The product also meets the following properties exceeding the minimum requirements:

- Tack weldability has been tested according to the standard SFS 1202
- Bendability 8-10 mm:  $2,0d$ , 12-20 mm:  $2,5d$
- Relative rib area  $f_R$   $\geq 0,15$

Inspecta Sertifiointi Oy

P.O. Box 1000,

Sörnäistenkatu 2

FI-00581 Helsinki,

Finland

Tel.+358 10 521 600



