

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

**20-CPR-393-(C-14/2020)**

In compliance with Government decree no. 275/2013. (issued on 16th July) this certificate applies to the construction product

### Composite reinforcement rebars

**(ACK-6, ACK-8, ACK-10, ACK-12, ACK-14, ACK-16)**

with product performance and intended use shown in the annex as page 2/2 of this certificate and produced by

**OOO" STRONGROUP-ORENBURG"**  
460019, Russian Federation, Orenburg Ráduzsnájá

*and produced in the manufacturing plant:*

**OOO" STRONGROUP-ORENBURG"**  
460019, Russian Federation, Orenburg Cserkázsoj u.24

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in **National Technical Assessment no. A-19/2020 dated at 01.09.2020** under system (1+) are applied and that

**the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 01.03.2021 and will remain valid as long as the test methods and/or factory production control requirements included in the National Technical Assessment used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

***This certificate consists of 2 pages!***

Dated at Szentendre, 01.03.2021



  
Ágnes Molnár  
Head of Certification Office

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### ANNEX

Intended use: Reinforcing concrete structures.

| Essential characteristic  | Performance  |
|---|--|
| Modulus of elasticity<br>- average value<br>- characteristic value                                | $\geq 50\ 000$ MPa<br>$\geq 45\ 000$ MPa             |
| Short-term tensile strength<br>- average value<br>- characteristic value                          | $\geq 1200$ MPa<br>$\geq 1100$ MPa                   |
| Elongation<br>- average value<br>- characteristic value   | $\geq 2,2$ %<br>$\geq 1,8$ %                         |
| Equivalent diameter, average value (mm)<br>ACK-6<br>ACK-8<br>ACK-10<br>ACK-12<br>ACK-14<br>ACK-16 | <br>6,44<br>8,14<br>10,24<br>12,68<br>14,31<br>16,68 |
| Shear strength<br>- average value<br>- characteristic value                                       | $\geq 160$ MPa<br>$\geq 150$ MPa                     |
| Fire resistance class   | E  |
| Stretch resistance (between FRP and concrete)<br>- average value<br>- characteristic value        | $\geq 11$ MPa<br>$\geq 10$ MPa                       |
| Alkali resistance<br>(60 °C, 30 days, starting pH 13,3)   | strength loss < 20 %<br>mass loss < 1 %              |

Dated at Szentendre, 01.03.2021

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