

Test Report

REPORT NUMBER:
996444-1 – Rev. 1



**DANISH
TECHNOLOGICAL
INSTITUTE**

Teknologiparken
Kongsvang Allé 29
DK-8000 Aarhus C
+45 72 20 20 00
Info@teknologisk.dk
www.teknologisk.dk

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Assignor: Anatolij Grekov
VARIO ApS
Oberst Kochs Alle 21
2770 Kastrup

Item: Composite glassfiber rebar AKS "Rockbar"
Fiber Reinforced Polymer (FRP) in $\varnothing 4$, $\varnothing 6$ and $\varnothing 8$ with epoxy gripping at the ends

Sampling: The assignor confirms having drawn the sample. The sample was forwarded by the assignor and received at Danish Technological Institute on 18-06-2021

Period: Testing took place from 26-07-2021 till 10-09-2021.

Method: DS/EN ISO 15630: Steel for the reinforcement and prestressing of concrete — Test methods — Part 1: Reinforcing bars, rods and wire.

Deviations from the standard method: The product tested was made of glassfiber reinforced polymers and not steel as specified in the standard.

Test result: See page 2 and onward for complete result overview.

Remarks: Revision due to clarification of the item tested.

Terms: This analysis/test was conducted in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This analysis report/ test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Place: Date 17-09-2021, Danish Technological Institute, Aarhus, Industrial Materials Technology

A handwritten signature in blue ink that reads "Rasmus Høst".

Signature: RAHO
Consultant



TENSILE TEST

DS/EN ISO 15630-1:2010

DTI Mark	Dia. mm	Area mm ²	Rm MPa	Max force kN
R1	4	12,57	1143	14,4
R2	4	12,57	1141	14,3
R3	4	12,57	1166	14,6
R4	6	28,27	1360	38,4
R5	6	28,27	1239	35,0
R6	6	28,27	1332	37,7
R7	8	50,27	1297	65,0
R8	8	50,27	1329	66,8
R9	8	50,27	1348	67,7

Init: MAOR/RAHO

DYNAMIC TEST

DTI Mark	Dia. mm	Area mm ²	Max Load kN	Min load kN	Cycles until failure
D1	4	12,57	3	8	1344
D2	6	28,27	4	18	1358
D3	8	50,27	4	35	1021

Init: MAOR/RAHO