Kelteks d.o.o.
Dr. Slavka Rozgaja 3
47000 Karlovac, Croatia - EU
OIB: 41431665528
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solidian·kelteks

DECLARATION OF CONFORMITY
41431665528-NV163-26/003

This English version is for information only. The Czech version (Prohlášení o shodě) is legally binding.

1. Unique identification code of the product: solidian Briksy HYB-R222/28-HY-661(860)-AGS2-6x30 – non-metallic bed joint reinforcement for structural use (mesh-type reinforcement of AR glass)

2. Intended use: bed joint reinforcement for structural use in composite lintels and reinforced masonry (Group 1 and 2 units to EN 1996-1-1), under the conditions of NTA No. 060-062433, chapter 1

3. Manufacturer: Kelteks d.o.o., ID No. (OIB): 41431665528, Dr. Slavka Rozgaja 3, 47000 Karlovac, Croatia

4. Production plant: Kelteks d.o.o., Dr. Slavka Rozgaja 3, 47000 Karlovac, Croatia

5. Authorised representative: not applicable

6. Conformity assessment procedure: certification under § 5 pursuant to § 10 of Government Decree No. 163/2002 Coll., as amended (Annex 2, group 2, item 6)

7. Technical specification: National Technical Assessment (NTA, Czech: STO) No. 060-062433 of 18.09.2026, valid until 30.09.2029

8. Authorised body: Technický a zkušební ústav stavební Praha, s.p. (TZÚS), Prosecká 811/76a, 190 00 Prague 9, Czech Republic, AB 204 – product certificate No. 204/C5/2026/060-062625 of 21.09.2026 and product certification report No. 060-062620 of 21.09.2026

9. Declared properties:

Characteristic	Test report	Test method	Required (R) / declared value (D)
Grid size, grid opening, coverage ratio	060-062025	EAD 260057-00-0303, Cl. 2.2.5, Cl. 2.2.6, Cl. 2.2.7	D: Grid size: 8,3 mm x 34,1 mm Grid opening: 5,8 mm x 30,4 mm R: Dimensional tolerance -5 % / +10 % Coverage ratio max. 40 %
Tensile strength and elongation in warp direction of reinforcement (characteristic value) - In the initial state - After alkali conditioning	060-062025	EAD 260057-00-0303, Cl. 2.2.9	R: R50,in,k: min. 10 kN/50 mm εu: max. 2,0 % Residual strength after alkali conditioning min. 80 % of R50,i
Flexural strength in plane of composite lintels	060-062409	EN 846-9 EAD 170008-00-0604	R: Design load of composite lintel in bending according to NTA No. 060-062433, Table 2 *)
Shear strength of composite lintels	060-062409	EN 846-9 EAD 170008-00-0604	R: Design load of composite lintel in shear according to NTA No. 060-062433, Table 2 *)
Flexural strength out of masonry plane perpendicular to bed joint	060-061957 060-062551	EN 1052-2 EAD 170008-00-0604	D: Increase factor of flexural resistance: 1,15 **)
Bond strength of reinforcement	060-061068	EN 846-2 EAD 170008-00-0604	R: Characteristic tensile stress in the bond area at a deformation of 1 mm min. 0,35 N/mm^2 ***)

*) The design load given may be converted into individual point loads or any other load combination, provided that its effect is equal to that of the specified uniformly distributed load.
**) Valid only where the outer strand of reinforcement is placed no more than 25 mm from the tensioned face of the masonry. Only in this case may the flexural strength of reinforced masonry in the vertical direction fxk,vert,reinf, for design according to EN 1996-1-1, be taken as 1,15 times the flexural strength of unreinforced masonry fxk,vert,un made of the same type of masonry units and the same type of mortar, i.e. fxk,vert,reinf = 1,15 × fxk,vert,un. This condition applies to clay (EN 771-1), calcium silicate (EN 771-2), aggregate concrete (EN 771-3) and/or autoclaved aerated concrete (EN 771-4) masonry units.
***) The bond area is calculated as the width of the reinforcement multiplied by the anchorage length.

Table – Design uniform continuous load qd according to open span of composite lintels and thickness of masonry, for reinforcement width of at least 100 mm (taken from NTA No. 060-062433, Table 2)

Open span of lintel [m]	qd [kN/m] nominal thickness 150 mm	qd [kN/m] nominal thickness 200 mm	qd [kN/m] nominal thickness 250 mm
0,7	8,0	8,0	8,0
0,8	8,0	8,0	8,0
0,9	8,0	8,0	8,0
1,0	8,0	8,0	8,0
1,1	8,0	8,0	8,0
1,2	8,0	8,0	8,0
1,3	8,0	8,0	8,0
1,4	7,2	7,0	6,9
1,5	5,4	5,3	5,2
1,6	4,2	4,1	4,0
1,7	3,3	3,2	3,1
1,8	2,6	2,5	2,4
1,9	2,1	2,0	1,9
2,0	1,7	1,6	1,5
2,1	1,4	1,3	1,2
2,2	1,2	1,1	0,9
2,3	1,0	0,9	0,7
2,4	0,8	0,7	0,6

In accordance with § 13 of Government Decree No. 163/2002 Coll., as amended, the manufacturer declares that the product meets the declared properties listed in item 9, which satisfy the basic requirements for construction works, and the technical specification listed in item 7, and that measures have been taken to permanently ensure the conformity of all products placed on the market with the technical documentation and with the requirements of the said Government Decree. Under the conditions of its intended use, the product is safe.

Karlovac, 05.11.2026

Prepared by and responsible for the declared values:

Sanja Barić

Sanja Barić, Product Compliance Specialist

Signed for and on behalf of the manufacturer by:

Tomislav Preglej, CMO