

DECLARATION OF PERFORMANCE
No 0201RF_09.2021

1. Unique identification code of the product-type: **Prefabricated reinforced component of autoclaved aerated concrete bauroc FLOOR ELEMENT EN 12602 – RF/AAC 3,8/550/LxWxH**
2. Intended use: **FLOOR ELEMENTS can be used as loadbearing and heat insulating structures in the floors, intermediate floors and roofs of buildings.**
3. Manufacturer: **Bauroc AS**
Factory 1, Andja, 44209 Lääne-Virumaa, Estonia
Tel: +372 329 5050 e-mail: bauroc@bauroc.eu
4. System of AVCP: **System 2+**
5. Harmonised standard: **EN 12602:2016**
Notified body: **No 1403; Teede Tehnokeskus AS (1403 – CPR – 0160)**
6. Declared performance:

Essential characteristic			Declared performance	Harmonised technical specification
Compressive strength (AAC)		N/mm ²	3,8	EN 12602:2016
Density class (AAC)			550	
Characteristic yield strength of reinforcing steel		MPa	500	EN 10080
Mechanical resistance of component			Design according to Annex A, Method 2	EN 12602:2016
Dimensions	Length(L)	m	1,0 – 6,0 (step 0,2 m)	EN 991
	Width(W)	mm	300, 600	EN 991
	Height(H)	mm	250	EN 991
Design value of additional load		kN/m ²	5,5 – 6,5	EN 12602:2016
Deflection in SLS		mm	bauroc product information	EN 12602:2016
Dimensional tolerances			Class T1	EN 12602:2016
	Length	mm	±5	
	Width	mm	±3	
	Height	mm	±2	
Drying shrinkage (AAC)		mm/m	≤ 0,30	EN 680
Corrosion protection of reinforcement			Coating applied	EN 990
Reaction to fire			Euroclass A1	
Resistance to fire			REI 90	EN 12602:2016
Thermal conductivity λ_{10dry} (p=50%):		W/(mK)	0,13	EN 12602:2016 (Table 4)
Freeze-thaw resistance			50 cycles	EN 15304

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Tallinn, 09.09.2021



Toomas Nilson
Technical Director