

DECLARATION OF PERFORMANCE

No. CPR-01-BCA-FORTEM 450

Version 0.1

- 1 Unique product type identification code: BCA Fortem D450 [ACC (Autoclaved Aerated Concrete)]
ELEMENTS FOR AUTOCLAVED CELLULAR CONCRETE MASONRY, category I
Trade name: BCA FORTEM
- 2 Intended use: In masonry walls, pillars and partition walls
- 3 Manufacturer: DVI Production SRL, jud Dambovita, loc IL Caragiale, DN72-pav C35, CAM3 (Dambovita county, IL Caragiale town, DN72-pav C35, room 3)
- 4 Manufacturing site: Autoclaved cellular concrete factory, Loc. Iernut, Str Salcudului, Nr. 22-24, Jud. Mures (Iernut town, 22-24 Salcudului Street, Mures county)
- 5 AVCP System: system 2+, which is the basis of product category I, in accordance with SR EN 771-4+A1:2015
- 6 Harmonized standard SR EN 771-4+A1:2015 (EN 771-4:2011+A1:2015)
Autoclaved aerated concrete masonry units (elements)
Notified body: SRAC-CERT SRL, Bucharest -NB 2003 carried out the initial inspection of the manufacturing site, production control and will carry out the continuous surveillance, assessment and acceptance of production control within the 2+ certification system and issued the certificate for factory production control no. 2003-CPR-1519/12.05.2025, publicly available on www.fortem.ro
- 7 Reported performance

Nr.crt	Essential characteristic	Performance	Harmonised technical specifications
7.1	Dimensions [mm]	unit length : 600	
		unit width: 50, 75,100,125,150,200,250,300,350,400, 500	
		unit height : 250	
	Dimensional tolerances	TLMB	SR EN 772-16
7.2	Shape and profile	Solid, plane or tongue-and-groove, with handling recesses	
7.3	Flatness of laying facet [mm]	Max.1,0	SR EN 772-20
7.4	Parallelism of laying facet [mm]	Max.1,0	SR EN 772-16
7.5	Apparent density volum in dry state [kg/m ³]	450 ± 25	SR EN 772-13
7.6	Average compressive strength [N/ mm ²](Perpendicular to the bedding surface – full unit, Category I.)	Min 3,3	SR EN 772-1
7.7	Dimensional stability (shrinkage) [mm/m]	Max.0,15	SR EN 680
7.8	Capillary water absorption, [g/m ² s ^{0.5}]	10' : Max.120	SR EN 772-11
		30' : Max.105	
		90' : Max. 80	
7.9	Shear bond strength of thin-layer mortar [N/mm ²](value obtained from testing)	Min 0,3	SR EN 1052-3
7.10	Thermal conductivity W/(mK) λ10, dry (P=50%)	λ10, uscat (P=50%) : Max 0,11	SR EN 1745
7.11	Diffusion coefficient water vapour [μ]	5/10	SR EN 1745
7.12	Durability to freezing and thawing (mass loss) %	Max 2	SR EN 15304
7.13	Reaction to fire	Euroclass A1	SR EN 13501-1
7.14	Hazardous substances	On request	
8	Additional information provided by the manufacturer	No exposure without protection	

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

Signed for and on behalf of the manufacturer by

Viorel Iacob General Manager

In: Iernut



on: 18.02.2026

DVI Production , Iernut work site

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