



DECLARATION OF PERFORMANCE

No. CPR-01-BCA-FORTEM 450

Version 0.0

- 1 Unique product type identification code: BCA Fortem D450 [ACC (gas formed 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 Dambovită, loc IL Caragiale, DN72-pav C35, CAM3 (Dambovită 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

Basic characteristics	Specifications	Performance	Harmonised technical specifications
Dimensions	unit length	600mm	
	unit width	50-500mm	
	unit height	250mm	
Dimensional tolerances		TLMB	SREN 772-16
Shape		Flat unshaped / Flat unshaped with handles Tongue-groove shaped / Tongue-groove shaped with handles	
Flatness of laying facet (side)		Max. 1.0mm	SREN 772-20
Parallelism of laying facet (side)		Max. 1.0mm	SREN 772-16
Apparent density in dry state, (ρ)		450±25kg/m ³	SREN 772-13
Average compressive strength		Min. 3.3 N/mm ²	SREN 772-1
Drying shrinkage		Max. 0.15 mm/m	SREN 680
Capillary water absorption, (w)		10': Max. 120g/m ²	SREN 772-11
		30': Max. 105g/m ²	
		90': Max. 80g/m ²	
Shear resistance		Min. 0.3 N/mm ²	SREN 1052-3
Thermal conductivity λ_{10} , dry ($\phi=50\%$)		Max. 0.11 W/mK	SREN 1745
Water vapour permeability (diffusion coefficient), (μ)		$\mu = 5/10$	SREN 1745
Durability to freezing and thawing (mass loss)		Max. 2%	SREN 15304
Reaction to fire		Class A1	SREN 13501-1
Hazardous substances		On request	
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: 14.05.2025



DVI Production, Iernut work site

Loc. Iernut, Str Salcudului, Nr. 22-24, Jud. Mures, Romania, Tel: +40 374 961 411 www.fortem.ro

The undersigned TOMA ALEXANDRA-NICOLETA, certified interpreter and translator for the foreign language English, within the meaning of authorization no. 38050 as of January 22nd, 2016, issued by the Ministry of Justice of Romania, certify the accuracy of the translation from ROMANIAN into ENGLISH, that the presented text was fully translated, without omissions, and that, by the translation, the content and the meaning of the document have not been distorted.

SWORN INTERPRETER AND TRANSLATOR

