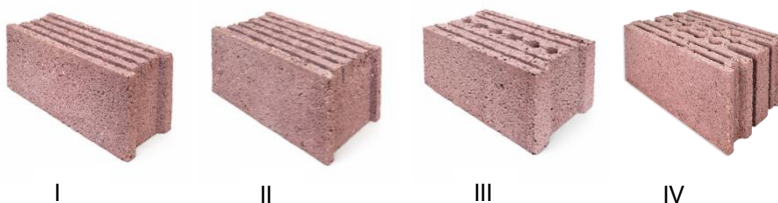


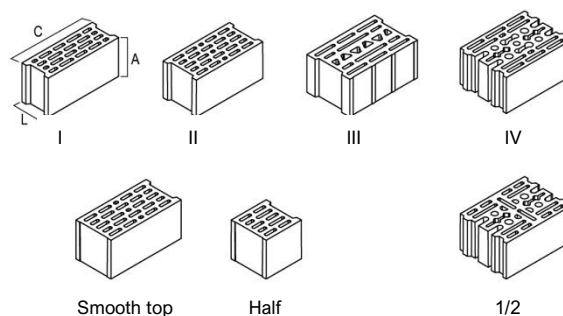
**1. Unique identification code of the product-type:**

ISOA – BLOCK ISOARGILA<sup>®</sup>



**2. Type, batch or serial number or any other element allowing identification of the construction product:**

Model	Lenght (C) - 5 mm + 3 mm	Height (A) - 5 mm + 3 mm	Width (L) - 5 mm + 3 mm	Weight (kg/un) * ± 10%
ISOA.4015 (I)	400	190	150	10
ISOA.4020 (II)	400	190	200	14
ISOA.4025 (III)	400	190	250	17
ISOA.4030 (IV)	400	190	300	21



Web thickness is equal to or greater than 17 mm.

The blocks may be provided with recesses, or docking devices, and have sharp, rounded or bevelled edges. The drawings are simply illustrative.

\*Dry product weight.

**3. Intended use/es:**

Intended for the execution of single or double walls, where the requirement of acoustic insulation and/or fire protection is imposed, partition walls between housing, stairwell walls or partitions between other noisy spaces, are the universe of use of artebel's ISOARGILA<sup>®</sup>

**4. Name, commercial name or registered trademark and contact address of the manufacturer, in accordance with paragraph 5 of article 11° of Regulation (EU) 305/2011:**

Artebel - Artefactos de Betão S.A.  VAT: 500 688 281  Página Web: <a href="http://www.artebel.pt">www.artebel.pt</a> Email: comercial@artebel.pt	Headquarters and Plant 1 Rua das Achadas Largas, N° 20 3105-219 Meirinhas Pombal - Portugal  Telephone: +351 236.949.180	Plant 2 3105-296 - Venda da Cruz - Pelariga Pombal - Portugal  Telephone: +351 236.211.742
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**5. System/s of AVCP:**

System 4 – EN 771-3:2011+A1:2015

**6. Declared performance/s:**

Essential Features	Model Variant	Performance	Harmonized European Specification
Dimensions and dimensional tolerances. Configuration	All	See item 2 Category D1	EN 771-3
Mean compressive strength Direction of load: Perpendicular to bed faces		≥ 2.5 N/mm <sup>2</sup>	
Reaction to fire		Class A1	
Gross density		1100 kg/m <sup>3</sup>	
Cutting resistance (tabled value EN 998-2)		0.15 N / mm <sup>2</sup>	
Dimensional stability		NPD	
Water vapor permeability			
Water absorption			
Direct airborne sound insulat.ion. Airborne sound under the final conditions of use <sup>(1)</sup> <sup>(2)</sup>			
Durability against freeze/thaw		Todos	
Thermal resistance <sup>(1)</sup>	ISOA 15	1.12 W/m <sup>2</sup> ° C	
	ISOA 20	0.94 W/m <sup>2</sup> ° C	
	ISOA 25	0.89 W/m <sup>2</sup> ° C	
	ISOA 30	0,62 W/m <sup>2</sup> ° C	
Fire resistance	ISOA 15	120 minutes	
	ISOA 20	240 minutes	
	ISOA 25	240 minutes	
	ISOA 30	NPD	
Dangerous substances	All	NPD	

NPD – No performance determined

<sup>(1)</sup> Values obtained in tests in an accredited laboratory (environment at 23° C and 50 % relative humidity).

<sup>(2)</sup> Considering plaster covering, between 20 mm and 25 mm thick.

**7. Additional information:**

**7.1. Product description:**

The **BLOCK ISOARGILA**<sup>®</sup> is a lightweight concrete honeycomb block made of expanded clay aggregates. Its high airborne sound isolation performance makes it an alternative to other double wall solutions, sparing the use of other subsidiary materials.

**7.2. Advantages:**

- ✓ High acoustic performance with reduced thickness;
- ✓ High mechanical resistance;
- ✓ High profitability;
- ✓ Easy to use;
- ✓ Easy to split;
- ✓ Dimensional stability;
- ✓ Surface verticality and planimetry

**7.3. Recommendations / Steps for application:**

- The **BLOCK ISOARGILA**<sup>®</sup> should be clean and free of grease. The seating should be done in such a way that will create an interlocking pattern, assuring to leave both sides of the wall regular. The block is laid with grout at the joints, with thickness between 10 mm to 15 mm, preferably with pre-dosed mortar or alternatively with a bastard mortar, with a volumetric trace of approximately 1; ½; 8 (cement, hydraulic lime, sand). If the weather conditions are low, the blocks should be moistened.
- Vertical joint must be completed.
- The opening of the rotors should preferably be done with electric openers, reducing to a minimum the dimensions and number of affected web.

**7.4. Fire resistance**

Feature	Model Variant	Performance (i ↔ o)	Performance evaluation methodology	Conditions/ Assumptions
Fire resistance <sup>(1)</sup>	ISOA 15	120 minutes	EN 1363-12012 e EN 1364-1:2015	EN 13501-2:2016
	ISOA 20	240 minutes		
	ISOA 25	240 minutes		
	ISOA 30	NPD		

NPD – No performance determined.

<sup>(1)</sup> Values obtained in tests in an external laboratory.

**7.4. Environmental product declaration:**

For the *BLOCK ISOARGILA*<sup>®</sup> Artebel has obtained the Environmental Product Declaration of DAPHabitat System, certificate DAP016:2022, until October 26<sup>th</sup>, 2027.

DAP is an effective demonstration of the environmental performance of products throughout their life cycle. It is reliable evidence of the technical characteristics and environmental aspects of the products, which responds to the growing concern about the environmental performance of products used in the building sector, verifying the implementation and measures that aim to reduce the environmental pressure caused by material extraction processes raw materials, manufacturing of products, application, use and maintenance until their final disposal and elimination.

**Note:** DAPHabitat provides a registration program database, which allows you to verify the veracity of the information regarding the product’s environmental declaration. See: [https://daphabitat.pt/pt\\_PT/dap/dap-registadas](https://daphabitat.pt/pt_PT/dap/dap-registadas).

**8. The performance of the product identified above item 1 and 2 is in conformity with the set of declared performance/s.**

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above, item 4.

Signed for and on behalf of the manufacturer by  
(Virgílio Rosa – CEO)

Pombal, 25th of october of 2024