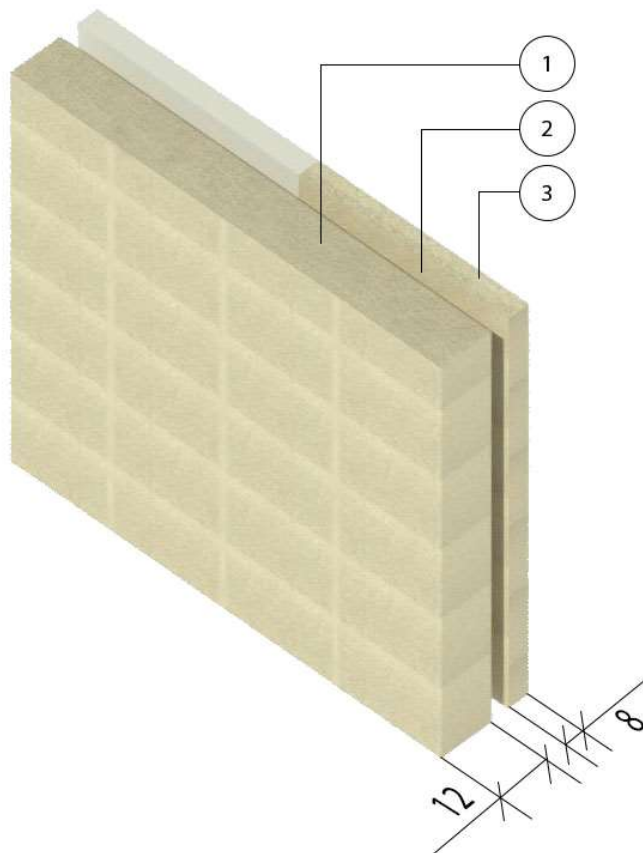


STONE BRICKS: CONSTRUCTION DETAIL



- ① ALBAMIEL STONE BRICKS WITH LIME MORTAR JOINTS
- ② 10 CM INSULATION
- ③ INTERIOR COATING ALBAMIEL OR ANY OTHER OF YOUR CHOICE

STONE BRICKS: PERFORMANCE *

* Tested on a 30 cm thick masonry wall and considered as a double wall of Albamiel stone.

PERFORMANCE	VALUE
TRANSMITTANCE (U)	0,29 W/m ² K
THERMAL INERTIA	940,23 J/(m ² x s ^{1/2} x K)
ACOUSTIC INSULATION (R)	60 dB
INSULATION TO WI-FI WAVES ((measured at frequencies of 5000 MHz)	Apantallamiento de 27,28 dB
RADIOACTIVITY (I)	0,09

DECLARATION OF PERFORMANCE

Nº 0301

1. Identification: **ALBAMIEL NATURAL STONE MASONRY UNITS**
2. Producer's name and address: **ARENISCAS ROSAL S.A.
CTR de Granada Km 73
30400 Caravaca -Murcia-
info@rosalstones.com**
3. Uses: **Masonry : bearing and semi-bearing wall**
4. Evaluation and verification system of performance constancy: **2+**
5. FPC certification: **APPLUS No 0370-CPR-4019**
6. Declared performances:

Essential Features	Performances	Technical harmonized specifications
Size	According to project	UNE-EN 771-6:2012 +A1:2016
Dimensional tolerances	D2	
Configuration	NPD	
Mean value of compressive strength R	17,1 MPa	
Normalized compressive strength Classification	13,6 MPa Category I	
Shear bond strength	0,3 N/mm ²	
Flexural bond strength	Average bending strength value: 3.6 Mpa bending: 3.6 Mpa	
Fire reaction	Euroclasse A1	
Water vapor permeability	μ dry: 40 μ wet: 25	
Capillary water absorption coefficient (C1 / C2)	(273/320) g/m ² s ^{0,5}	
Bulk density	1880 kg/m ³	
Thermal conductivity	0.827 W/(m K)	
Freeze–thaw durability	168 cycles without breaking	
Dangerous substances	Does not contain	
Radioactivity	I=0.09	
Acoustic isolation	R=60DB (30 cm thickness)	
CO2 Emissions (1.623 Km by road) Entire life cycle	7.20 kg éq CO2/m2 (15-45 cm) 2.40 Kg éq CO2/m2 (2-15 cm)	

- The identified product performances at point nº 1 is conformed to performances declared at point nº 6.
- This current performance declarations is issued under the responsibility of the producer or manufacturer or wholesaler indicated at point nº 2.
- Signed by and on behalf of the producer:

Nom: Catalina Sánchez Robles
Poste: QUALITY MANAGER

52812155S Firmado digitalmente
por 52812155S
CATALINA SANCHEZ
SANCHEZ (R: (R: A30093579)
A30093579) Fecha: 2023.04.21
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**FICHE DE DÉCLARATION
ENVIRONNEMENTALE ET SANITAIRE DU
PRODUIT**

*ENVIRONMENTAL AND HEALTH PRODUCT
DECLARATION*

**Bardages en pierre naturelle ALBAMIEL
D'épaisseur de 2 à 15 cm**

**En conformité avec la norme NF EN 14025, la norme NF EN 15804+A1 et
son complément national NF EN 15804/CN**

N° d'enregistrement : 9-518:2020

**DECLARACIÓN MEDIOAMBIENTAL Y
SANITARIA DE PRODUCTO
Albamiel de 2 a 15 cm**

Lea el informe completo aquí / Read the full report here

Lisez le rapport complet ici:

Albamiel <https://www.base-inies.fr/iniesV4/dist/consultation.html?id=33534>

Abadía (2 cm) <https://www.base-inies.fr/iniesV4/dist/consultation.html?id=29536>