

## **FLORENCE MARBLE**

Spessore/ Thickness  
8,8-9 mm

Formati/ Sizes  
60x120 - 24"x48" Rett.

Finiture/ Finishing  
Mat



*aesthetic adaptation*



Florence Marble is a type of marble with certain aesthetic characteristics, such as rich veining or a warm, luxurious appearance that may evoke the elegance of the Florentine Renaissance style.

A FACE



B FACE



# FLORENCE MARBLE

**1** formati / sizes

**1** spessore / thickness

**8,8-9** mm



60x120 - 24"x48" rett.  
Mat

Resistenza allo scivolamento / slip resistance **R9**

Grout color:

White no. 1  
Grey Light no. 3  
Grey Arzan no.7



CARATTERISTICHE TECNICHE/ TECHNICAL FEATURES

| INFORMAZIONI TECNICHE | VALORE PRESCRITTO DALLE NORME                       |                                         | VALORI     | NORME ISO |
|-----------------------|-----------------------------------------------------|-----------------------------------------|------------|-----------|
| TECHNICAL FEATURES    | STANDARD AS PER<br>15013006:2018/ EN14411<br>Gr.Bia | STANDARD AS PER<br>IS 15622:2017 Gr.Bia | MEAN VALUE | ISO NORM  |

| STRUCTURAL PROPERTIES |                     |               |              |                        |
|-----------------------|---------------------|---------------|--------------|------------------------|
| Water Absorption      | ≤0.50%              | ≤0.080%       | ≤0.080%      | ISO 10545-3/IS 13630-2 |
| Bulk Density          | As per Manufacturer | Min 2.20 g/cc | > 2.28 gm/cc | ISO 10545-3/IS 13630-2 |

| MASSIVE MECHANICAL PROPERTIES          |                |                |                |                        |
|----------------------------------------|----------------|----------------|----------------|------------------------|
| Modulus of Rupture                     | Min. 35.0 N/mm | Min. 35.0 N/mm | Min. 40.0 N/mm | SO 10545-4/IS 13630-6  |
| Breaking Strength Thickness<br>=7.5 mm | Min 1300.0 N   | Min 1300.0 N   | Min 6000.0 N   | ISO 10S45-4/IS 13630-6 |

| SURFACE MECHANICAL PROPERTIES |                     |              |                                            |                         |
|-------------------------------|---------------------|--------------|--------------------------------------------|-------------------------|
| MOHS Hardness#                | As per Manufacturer | Min. S       | Polished Min 4*/<br>Satin & Posh Min 6     | BS EN 15771/IS 13630-13 |
| Surface Abrasion Resistance#  | As per Manufacturer | Min.Class II | Polished Min II**/<br>Satin & Posh Min III | ISO 10545-7/IS 1363011  |

| THERMAL HYGROMETRIC PROPERTIES    |                      |                     |                 |                          |
|-----------------------------------|----------------------|---------------------|-----------------|--------------------------|
| Moisture Expansion                | Max 0.06% (0.6 mm/m) | Max 0.02 mm/m       | Max 0.02 mm/m   | ISO 10S4S-10/IS 13630-3  |
| Thermal Expansion(COE) at<br>100C | As per Manufacturer  | Max. 6.0 x 10-6     | Max. 6.0 x 10-6 | ISO 10545-8/IS 13630-4   |
| Thermal Shock Resistance          | Min 10 Cycte         | Min 10 Cycle        | Min 10 Cycle    | ISO 10545-9/15 13630-5   |
| Impact Resistance(COR) #          | Min. 0.55            | Min 0.55            | Min 0.55        | ISO 10545-5/15 13630-14  |
| Frost Resistance                  | As per Manufacturer  | As per Manufacturer | Frost Proof     | ISO 10545-12/IS 13630 10 |
| Crazing Resistance at 7.5 bar     | 4 Cycle              | 4 Cycle             | 4 Cycle         | ISO 10545-11/15 13630-9  |

| CHEMICAL PROPERTIES                                                  |                     |                     |                                        |                                 |
|----------------------------------------------------------------------|---------------------|---------------------|----------------------------------------|---------------------------------|
| Resistance to Staining Glazed                                        | Min.Class 3         | MinClass 1          | Min.Class3/ Min.Class 1                | ISO 10545-14/15 13630-8         |
| Resistance to Household<br>Chemicals & Swimming Pool<br>Salts Glazed | MinClass GB         | MinClass AA         | Min Class GB/ Min Class<br>AA          | ISO 10545-13/15 13630-8         |
| Resistance to Low Concentrate<br>Acid and Alkalis Glazed             | As per Manufacturer | As per Manufacturer | Min Class GLB*****/<br>Min Class A**** | ISO 150 10545 13/<br>IS 13630-8 |
| Resistance to HighConcentrate<br>Acid and Alkalis Glazed             | As per Manufacturer | As per Manufacturer | MinClassGHB*****/<br>Min Class A****   | ISO 150-1054513/<br>IS 13630-8  |

| SAFETY PROPERTIES                                 |                     |                     |                         |             |
|---------------------------------------------------|---------------------|---------------------|-------------------------|-------------|
| Skid Resistance - (DCOF-WET<br>PENDULUM)##        | As per Manufacturer | As per Manufacturer | Glossy≥PO,Satin,Posh≥PI | BS 7976-2   |
| Slip Resistance -Satin/Posh<br>(DCOF- R Value )## | As per Manufacturer | As per Manufacturer | R9 to R10               | DIN 51130   |
| Lead and Cadmium Release                          | As per Manufacturer | N.A.                | Does not yield Pb & Cd  | 150-1054515 |

TABELLA IMBALI/ PACKAGING

|            | SPESSORE<br>THICKNESS | PCS/BOX | MQ/BOX | KG/BOX | BOX/PALLET | MQ/PALLET | KG/PALLET |
|------------|-----------------------|---------|--------|--------|------------|-----------|-----------|
| 60x120 RTT | 8,8-9 mm              | 2       | 1.44   | 28-29  | 34         | 48,96     | 993       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                |                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|   <p>ΕΘΝΙΚΟ ΚΕΝΤΡΟ ΕΡΕΥΝΑΣ<br/>ΦΥΣΙΚΩΝ ΕΠΙΣΤΗΜΩΝ «ΔΗΜΟΚΡΙΤΟΣ»<br/>Τ.Θ. 40521 / 15122 ΝΕΑ ΠΑΡΑΣΚΕΥΗ (ΤΗΛ: 210-6503006-5006 FAX: 210-6503005) <a href="http://www.demokritos.gr">www.demokritos.gr</a></p> <p><b>ΕΚΕΦΕ "ΔΗΜΟΚΡΙΤΟΣ"</b><br/><b>ΙΝΣΤ. ΠΥΡΗΝΙΚΩΝ &amp; ΡΑΔΙΟΛΟΓΙΚΩΝ ΕΠΙΣΤΗΜΩΝ</b><br/><b>&amp; ΤΕΧΝΟΛΟΓΙΑΣ, ΕΝΕΡΓΕΙΑΣ &amp; ΑΣΦΑΛΕΙΑΣ (Ι.Π.Ρ.Ε.Τ.Ε.Α.)</b><br/><b>ΕΡΓΑΣΤΗΡΙΟ ΡΑΔΙΕΝΕΡΓΕΙΑΣ ΠΕΡΙΒΑΛΛΟΝΤΟΣ</b><br/>Τ.Θ.: 60037 - Τ.Κ.: 15310 - ΑΓΙΑ ΠΑΡΑΣΚΕΥΗ ΑΤΤΙΚΗΣ<br/>Τηλέφωνο: 210-6503005 FAX: 210-6503005</p> <p><b>ΠΛΗΡΟΦΟΡΙΕΣ: Κ.ΕΛΕΥΘΕΡΙΑΔΗΣ / Β.ΒΑΣΙΛΑΤΟΥ</b><br/>www: <a href="http://www.ipreteea.demokritos.gr">http://www.ipreteea.demokritos.gr</a><br/><a href="http://www.ipeta.demokritos.gr/eri/eri.html">http://www.ipeta.demokritos.gr/eri/eri.html</a><br/>email: <a href="mailto:elefther@ipta.demokritos.gr">elefther@ipta.demokritos.gr</a>, <a href="mailto:contact-eri@ipta.demokritos.gr">contact-eri@ipta.demokritos.gr</a></p> |  <p>ΔΟΚΙΜΕΣ<br/>Αρ.Πιστοποιητικού<br/>442</p> | <p>Αγία Παρασκευή 24 Φεβ 2023</p> <p>Α.Π. 260/0/ 2305</p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p>ΠΡΟΣ: ΑΒΜ ΤΕΧΝΟΛΟΓΙΚΗ ΑΕ<br/>ΕΞΟΔΟΣ 4<br/>ΑΣΠΡΟΠΥΡΓΟΣ Τ.Κ.:19300<br/>ΤΗΛ: 2105596230</p> <p>ΚΟΙΝ: </p>                      |                                                           |
| <p>Σχετικό σας: </p> <p>Σχετικό μας: 140/2023-457/10-02-2023</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                |                                                           |

### ΠΙΣΤΟΠΟΙΗΤΙΚΟ ΜΕΤΡΗΣΗΣ ΡΑΔΙΕΝΕΡΓΕΙΑΣ ΔΕΙΓΜΑΤΩΝ

|                            |             |                      |                           |
|----------------------------|-------------|----------------------|---------------------------|
| Ημερομηνία Δειγματοληψίας: | 10 Φεβ 2023 | Ημερομηνία Μέτρησης: | 13/02/2023 και 21/02/2023 |
| Προέλευση:                 | ΕΛΛΑΔΑ      |                      |                           |
| Προορισμός:                |             |                      |                           |

### ΠΕΡΙΓΡΑΦΗ ΔΕΙΓΜΑΤΩΝ

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| A.A ΕΚΕΦΕ "Δ"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Είδος Δείγματος κατά δήλωση της "ΑΒΜ ΤΕΧΝΟΛΟΓΙΚΗΣ Α.Ε."                                                                 |
| 233005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Πλάκα Candia                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Δείκτης συγκέντρωσης ενεργότητας: $I = C(Ra226)/300 + C(Th232)/200 + C(K40)/3000 < 0,89 \text{ Bq/kg}$                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $C(U238) = 31 \pm 19 \text{ Bq/kg}$ , $C(Ra226) = 59,8 \pm 1,5 \text{ Bq/kg}$ , $C(Th232) = 83,4 \pm 2,0 \text{ Bq/kg}$ |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $C(K40) = 521 \pm 14 \text{ Bq/kg}$                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $Cs137 < 0,1 \text{ Bq/kg}$                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Κάτοχος δείγματος: ΑΒΜ ΤΕΧΝΟΛΟΓΙΚΗ Α.Ε.                                                                                 |
| <b>Το δείγμα κρίνεται κατάλληλο για κατανάλωση από πλευράς ραδιενέργειας</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |
| <p>ΠΑΡΑΤΗΡΗΣΕΙΣ: Το δείγμα κρίνεται κατάλληλο για εμπορική, βιομηχανική και κατασκευαστική χρήση σύμφωνα με το Προεδρικό Διάταγμα υπ' αριθμόν 101 (Φ.Ε.Κ. Α' 194/20-11-2018) περί προσαρμογής της ελληνικής νομοθεσίας στην Οδηγία 2013/59/Ευρατομ του Συμβουλίου, της 5ης Δεκεμβρίου 2013 (ΕΕ L13/17.1.2014), για τον καθορισμό βασικών πρατύπων ασφαλείας για την προστασία από τους κινδύνους που προκύπτουν από τις ιοντίζουσες ακτινοβολίες - Θεώρηση Κανονισμών Ακτινοπροστασίας. Δεν ανιχνεύθηκαν τεχνητά ισότοπα στο δείγμα.</p> |                                                                                                                         |

|                                                                                      |                                                   |
|--------------------------------------------------------------------------------------|---------------------------------------------------|
|  | <p>Ο Αρμόδιος</p> <p><b>Δρ Κ.ΕΛΕΥΘΕΡΙΑΔΗΣ</b></p> |
|--------------------------------------------------------------------------------------|---------------------------------------------------|



# Certificate of Compliance

This is to certify that

**ABM TECH S.A.**

ATTIKI AVENUE EXIT NO 4, ASPROPYRGOS ATHENS

*has been independently assessed by IAB accreditation and is in compliance with the requirement of the standard*

## ISO 17721-1:2021

Quantitative determination of antibacterial activity of ceramic tile surfaces — Test methods — Part 1: Ceramic tile surfaces with incorporated antibacterial agents

For the following scope of activities

**CANDIA FASCINO ITALIANO, PORCELAIN TILES, CERAMIC TILES, MATT AND POLISHED**

Certificate Number: US-AMTC-25-08256130

To verify this certificate please visit at [www.uscertifications.uk](http://www.uscertifications.uk)

Date of Certification  
Issuance Date  
1st Surveillance Due  
2nd Surveillance Due  
Re-Certificate Due

08<sup>TH</sup> MAY 2025  
08<sup>TH</sup> MAY 2025  
07<sup>TH</sup> MAY 2026  
07<sup>TH</sup> MAY 2027  
07<sup>TH</sup> MAY 2028



Authorized Signatory



CAB Address : Merry Terrace Woking, London FU21 3EH UK Validity of this certificate is subject to annual surveillance audits to be done successfully This certificate is the property of U.S. Certification and shall be returned immediately on request U.S. Certification is an independent Systems Products and Personal assessment Body, U.S. Certification is a accredited by IABCERT.US

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