

**Candia®**

Fascino Italiano

# MARQUINA MARBLE

Spessore/ Thickness  
9,5-9,3 mm

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

Finiture / Finishing  
Mat  
Super Polished



A FACE

B FACE

C FACE

D FACE



# MARQUINA MARBLE

**1** formati / sizes

**1** spessore / thickness

9,5-9,3 mm



60x120 - 24"x48" rett.  
Super Polished  
Mat

Mat surface  
Resistenza allo scivolamento / slip resistance **R9**

Grout color:

Black no. 2

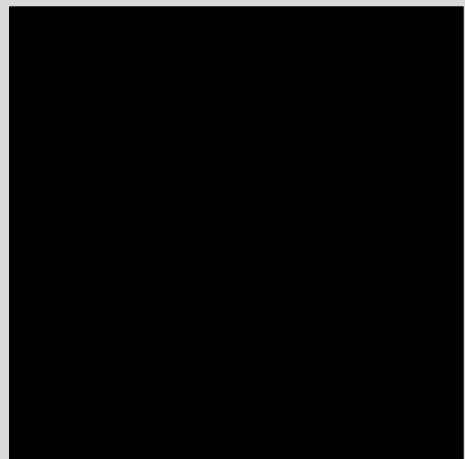


# MARQUINA MARBLE

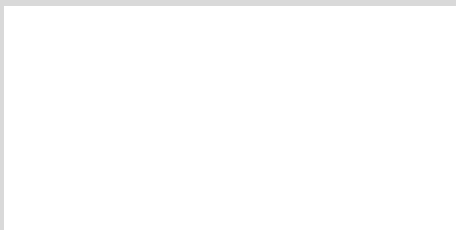
match tiles



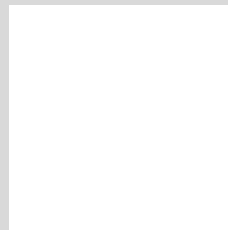
60x60 - 24"x24" rett.  
Mosaic Marble  
Mat



60x60 - 24"x24" rett.  
Super Black  
Super Polished



60x120 - 24"x48" rett.  
Pentelikon Marble Super White  
Super Polished  
Mat



60x60 - 24"x24" rett.  
Pentelikon Marble Super White  
Super Polished  
Mat

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 | Min Class GHB*****/<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. 40021   15110 ΑΓΙΑ ΠΑΡΑΣΚΕΥΗ (ΑΤΤΙΚΗ)   ΤΗΛ: 210-6503000-0000   FAX: 210-6503001   <a href="http://www.demokritos.gr">www.demokritos.gr</a></p>                                        |  <p>ΔΟΚΙΜΕΣ<br/>Αρ.Πιστοποιητικού<br/>447</p> | Αγία Παρασκευή 24 Φεβ 2023                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                | Α.Π. 260/0/ 2305                                                                  |
| <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: 210-6503050                                                                                                                       |                                                                                                                                | ΠΡΟΣ: ΑΒΜ ΤΕΧΝΟΛΟΓΙΚΗ ΑΕ<br>ΕΞΟΔΟΣ 4<br>ΑΣΠΡΟΠΥΡΓΟΣ Τ.Κ.:19300<br>ΤΗΛ: 2105596230 |
| <b>ΠΛΗΡΟΦΟΡΙΕΣ: Κ.ΕΛΕΥΘΕΡΙΑΔΗΣ / Β.ΒΑΣΙΛΑΤΟΥ</b><br>www: <a href="http://www.ipreteia.demokritos.gr">http://www.ipreteia.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> |                                                                                                                                | ΚΟΙΝ:                                                                             |
| Σχετικό σορ:                                                                                                                                                                                                                                                                                                                                                                                                                    | Σχετικό μας: 140/2023-457/10-02-2023                                                                                           |                                                                                   |

### 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                         |
| <b>ΠΑΡΑΤΗΡΗΣΕΙΣ:</b> 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 προτύπων ασφαλείας για την προστασία από τους κινδύνους που προκύπτουν από τις ιοντίζουσες ακτινοβολίες - Θέσπιση Κανονισμών Ακτινοπροστασίας. Δεν ανιχνεύθηκαν τεχνητά ισότοπα στο δείγμα. |                                                                                                                         |


 Ο Αρμόδιος  
 Δρ Κ.ΕΛΕΥΘΕΡΙΑΔΗΣ



# Certificate of Compliance

This is to certify that

## **ABM TECH S.A.**

ATTIKI AVENUE EXIT NO 4, ASPROPYRGOS ATHENS

*has been independently assessed by QVA and is compliant 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: QVA-ABGV45874

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

Date of Certification

21<sup>TH</sup> JUNE 2023

Issuance Date

21<sup>TH</sup> JUNE 2023

Re-Certificate Due

20<sup>TH</sup> JUNE 2024

Registered

Authorized Signatory



QVA Certification

CAB Address : Maryland Avenue, SW Washington, D.C. 20202

Validity of this certificate is subject to annual surveillance audits to be done successfully

This certificate is the property of QVA Certification and shall be returned immediately on request

QVA Certification is an independent Systems Products and Personal

assessment Body, QVA Certification is a accredited by GAAFS.US

# **Candia<sup>®</sup>**

Fascino Italiano

Organization  
&  
High Tech RND

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[www.abmcosmos.com](http://www.abmcosmos.com)