



**MANUFACTURER**

**Iris U.S.**

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**1. PRODUCT NAME**

**Marmi Collection**



Crosscut Travertine



Daino Reale



**2. PRODUCT DESCRIPTION**



(Green Choice includes pre-consumer recycled materials and post-consumer recycled materials)

Iris US proudly contains factory and products certifications:



**Size/thickness:**

12"x24" x 5/16" nominal

**Finishes:**

Honed and Lappato

**Recommended Grout Joint: 3/32" or greater All sizes modular with 3/16" grout joint (≈5 mm)**

**Grout joints of 1/8" inch or less, especially with larger format tiles or running bond patterns, may require floor flatness values in excess of the 1/4" in 10' (or 1/16" in 1.0') standard required by ANSI.**

**See ANSI A108.01 2.6.2.2**

**For patterns with running bond/brick joints patterns Iris US recommends a maximum of 33% offset.**

**See ANSI A108.02 section 4.3.8**

### 3. TECHNICAL DATA

| Physical Properties                        | ASTM Test                            | Industry Standards                         | Iris US Results       |
|--|--------------------------------------|--|-----------------------|
| Water Absorption                           | C373                                 | Impervious <0.5%                           | ≤ 0.1%                |
| Thickness Dimension                        | C499                                 | Range ±0.04in Max.                         | ≤ ±0.04 in            |
| Facial Dimension                           | C499                                 | ±0.25%                                     | ≤ ±0.25%              |
| Warpage Average                            | C485                                 | ± 0.40% on any edge                        | ≤ ± 0.40%             |
| Warpage Average                            | C485                                 | ± 0.40% on diagonal                        | ≤ ± 0.40%             |
| Wedging Average                            | C502                                 | ± 0.25%                                    | ≤ ± 0.25%             |
| Bond Strength                              | C482                                 | ≥ 50 psi                                   | ≥ 200 psi             |
| Breaking Strength                          | C648                                 | ≥ 250 lbf                                  | ≥ 400 lbf             |
| Hardness (Mohs)                            | Scratch Test<br>(No regulated)       | Range 0 - 10                               | ≥ 7                   |
| Visible Abrasion Resistance for Glaze Tile | C1027                                | No requirement<br>Range 0 - 5              | Class 4               |
| Frost Resistance (Freeze/Thaw)             | C1026                                | No sample must show alterations to surface | No evidence of damage |
| Chemical Resistance                        | C650                                 | No Requirement<br>Range E - A              | Class A               |
| Stain Resistance                           | C1378                                | No Requirement<br>Range E - A              | Class A*              |
| Coefficient of Friction (Dynamic)          | DCOF Acutest <sup>sm</sup><br>(wet)  | ≥ 0.42                                     | ≥ 0.42*               |
| Aesthetic Classification                   | Visual Evaluation<br>Shade & Texture | No Requirement<br>Range V0 – V4            | V2                    |

\* All values given are for matte or honed material. No values are given for polished material. Iris U.S. does not recommend polished surfaces in area subject to exposure from grease, oil or water.

For level interior spaces to be walked upon when wet (see ANSI A137.1 section 6.2.2.1.10 – Section 9.6 for test procedure).

### 4. INSTALLATION

All installation work using Iris US tiles will conform to the standards set forth in the latest version of ANSI A108/118 and/or the TCNA Handbook for Ceramic Tile installations.

Installation or setting materials:

Movement joints shall be provided throughout the tile and work will conform to ANSI Specification A108.01-3.7; A108.02 – 4.4. and TCNA Details EJ171.

Setting materials used will conform to the ANSI 118.4 standard or greater and be recommended by the selected manufacturer for the installation & setting materials for ceramic or porcelain tile based on the application requirements.

### 5. WARRANTY

Iris US guarantees that its products will be free of manufacturing defects and they will meet or exceed the performance specifications set forth in ANSI 137.1.

### 6. MAINTENANCE

#### Care and Maintenance Recommendations Guide

Please refer to **Iris US Care and Maintenance Recommendations Guide** for all technical information as to the care of this collection.

### 7. TECHNICAL SERVICES

#### Technical Assistance

Guide Specifications, literature, MSDS, tile samples, details and installation procedures are all available for your use or libraries.

Please contact your nearest Iris US representative for catalogues, physical samples, or architectural binders.