



## 1. PRODUCT NAME

# PLANE COLLECTION

## TECHNICAL DATA SHEET

## 2. MANUFACTURER

**Stonepeak Ceramics, Inc.**  
325 W. Huron St. Ste 404, Chicago, IL 60654 US

**Production Factory:**  
238 Porcelain Tile Dr., Crossville, TN 38555 US  
Telephone: 312.506.2800  
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Website: [stonepeakceramics.com](http://stonepeakceramics.com)

## 3. PRODUCT DESCRIPTION

**Plane Collection** – features state-of-the-art gauged porcelain panels that can be as large as 60" x 120" and as thin as 1/4" thick. These revolutionary large format tiles combine the durable characteristics of porcelain with the beauty of a natural slab of quarried stone or the charm of stained concrete. With a new formulation allowing for slimmer, more light-weight, no-mesh panels, Plane is perfect for an endless variety of projects. The Italian Plane collection features dozens of stunning colors, including six new colors, allowing for maximum design flexibility in both commercial and residential settings.

### Recommended Applications:

Ideally suited for commercial and residential settings such as hotel lobbies, restaurants, shopping malls, airports, schools, and residential floors and walls.

### Finishes/Textures:

- Thru-Color
- Honed / Polished

### Sizes/Thickness:

120" x 60" x 1/4" nominal \*(6 mm)  
120" x 40" x 1/4" nominal \*(6 mm)  
60" x 60" x 1/4" nominal \*(6 mm)  
60" x 30" x 1/4" nominal \*(6 mm)  
30" x 30" x 1/4" nominal \*(6 mm)  
15" x 30" x 1/4" nominal \*(6 mm)

*\*Denotes work size per ISO 10545-2.*

**Recommended Grout Joint: 1/8" or greater.**

All sizes modular with 1/8" grout joint if factory cut. 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.

For patterns with running bond/brick joints, Stonepeak recommends a maximum of 33% offset.

## 4. TECHNICAL DATA

Physical Properties	ASTM Test	Industry Standards	StonePeak Results
Water Absorption	C373	Impervious < 0.5%	≤ 0.1%
Thickness Dimension	C499	Range ±0.02 Inc. Max	≤ ±0.02 Inc.
Facial Dimension	C499	± 0.25%	≤ ±0.25%
Wedging Average	C502	± 0.25%	≤ ±0.25%
Dry Bond Strength	Section 7.5	≥ 150 psi	≥ 200 psi
Breaking Strength	C648	≥175 lbf	≥ 200 lbf
Hardness (Mohs)	Scratch Test (No regulated)	Range 0 -10	≥7
Deep Abrasion Resistance	C1243	Impervious (porcelain) Class P1: ≤175 mm	≤175 mm
Frost Resistance	C1026	No samples must show alterations to surface	No Evidence Of Damage
Robinson Test	AC627	As reported	Extra Heavy
Chemical Resistance	C650	No Requirement Range E- A	Class A
Stain Resistance	C1378	No Requirement Range E- A	Class A*
DCOF	BOT 3000	≥ 0.42*	≥0.42- ≥0.60*
Aesthetic Class/Shade Rating	Visual Evaluation Shade & Texture	No Requirement Range V0 – V4	V1-V3
Light Reflectance Value (L.R.V.)	C609	No Requirement Range 0-100	10 to 80 depending on style/color selection

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

## 5. INSTALLATION

### Surface preparations:

All installation work using Stonepeak Ceramics' 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.

All substrates should be between 40 degrees F and 90 degrees F and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds as per ANSI A108.01.

**Deflection:**

Substrate must conform to all state and local building code requirements and ANSI A108.01 for maximum allowable substrate deflection

**Movement joints:**

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.

**Installation or setting materials:**

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.

**6. AVAILABILITY AND COST**

**Plane Collection** is available from selected distributors of ceramic tile.

To find accessible information of delivery and product costs for your area, please contact your nearest Stonepeak Ceramics distributor.

See our website the find a distributor near you:

[http://www.stonepeakceramics.com/services-where\\_to\\_buy.php](http://www.stonepeakceramics.com/services-where_to_buy.php)

**7. WARRANTY**

Stonepeak Ceramics 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.

For further information and details please contact your nearest Stonepeak Ceramics Distributor for a written copy of the warranty information.

For distributor information go to our website:

[http://www.stonepeakceramics.com/services-where\\_to\\_buy.php](http://www.stonepeakceramics.com/services-where_to_buy.php)

**8. MAINTENANCE**

Care and Maintenance Recommendations Guide.

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

**9. TECHNICAL SERVICES**

**Technical Assistance:**

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

Please contact your nearest Stonepeak representative for catalogues or physical samples.

**Continued Education Programs** are available – 1- or 2-hour **HSW Learning Units** – contact Stonepeak Ceramics’ main office to set up a presentation.

**10. FILING SYSTEMS**

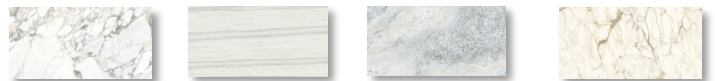
**Plane Collection**



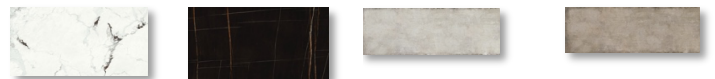
Calacatta Vena Classico    Extra Vena    Travertino Vena    Fantasy Bright



Fantasy Gold    Fantasy Cloud    True White    True Black



Arabescato Vena - A & B    Zebrino Michelangelo    Pietra Azzurra    Calacatta Macchiato



Bianco Capraia    Nero Dorato    Materico Scuro    Materico Chiaro

**11. ENVIRONMENTAL CERTIFICATIONS**

Stonepeak proudly contain factory and product certifications:



**12. RECYCLED CONTENT**

Products certified by Bureau Veritas. Please ask to see certifications.