



format tiles or running bond patterns, require the use of leveling tools.

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

1. PRODUCT NAME

**Plane Collection
Data Sheet - SP 17-0728 REV01**

2. MANUFACTURER

Stonepeak Ceramics, Inc.
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3. PRODUCT DESCRIPTION

Plane – The next generation of panels.
Available in five different modular sizes up to an astounding 5' x 10'. With features of engineered porcelain, including mold resistant, heat and frost proof, energy efficient, with no artificial binders and no VOC emissions, Plane is ideal for interiors, exteriors, countertops, veneers, and much more.

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, Chrome Finish

Size/thickness:

- 120"x60" 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)
- 30" x 15" x 1/4" nominal *(6 mm)

Actual sizes:

- 120"x60" ~ 118 3/16" x 59 1/16" **(+/- 0.5mm)**
- 60" x 60" ~ 59 1/16" x 59 1/16" **(+/- 0.5mm)**
- 60" x 30" ~ 59 1/16" x 29 1/2" **(+/- 0.5mm)**
- 30" x 30" ~ 29 1/2" x 29 1/2" **(+/- 0.5mm)**
- 30" x 15" ~ 29 1/2" x 14 5/7" **(+/- 0.5mm)**

*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

4. TECHNICAL DATA

| Physical – Visual Properties | ASTM TEST | Industry Standard | StonePeak Results |
|---|-----------------------------------|--|--|
| Water absorption | C373 | Impervious <0.5% | ≤0.1% |
| Thickness Dimension | C499 | Range ± 0.04 Inc. Max. | ≤±0.04 Inc. |
| Facial Dimension | C499 | ± 0.25 % | ≤ ± 0.25% |
| Warpage average diagonal | C485 | ±0.40 % | ≤ ± 0.40% |
| Warpage average edge | C485 | ±0.40 % | ≤ ± 0.40% |
| Wedging | C502 | ± 0.25 % | ≤ ± 0.25% |
| Bond Strength | C482 | ≥ 50 psi | ≥ 200 psi |
| Breaking Strength | C648 | ≥250 lb. | ≥ 350 lb. |
| Hardness (Mohs) | Scratch Test (No regulated) | Range 0 - 10 | ≥ 7 |
| Visible Abrasion Resistance | C1027 | No Requirement, Range 0 - 5 | Class 3 ÷ 4 |
| Deep Abrasion Resistance for Un-Glaze tiles | C1243 | Impervious (Porcelain) Class P1: ≤ 175 mm | ≤ 175 mm |
| Frost Resistance | C1026 | No sample must show alterations to surface | No evidence of Damage |
| 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 Classification | Visual Evaluation Shade & texture | No Requirement, Range V0 -V4 | V2-V3 |
| Light Reflectance value (L.R.V) | C609 | No Requirement, Range 0 -100 | 10 to 80 depending on style/ color selection |

*** All values given for Matte or Honed material etc.**

*** 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 TCA 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 TCA 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

StonePeak Plane Collection is available from select distributors of ceramic tile and stone.

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

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 or StonePeak Ceramics representative for a written copy of the warranty information.

See section 2 for contact information.

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

Please contact your nearest StonePeak distributor for catalogues or physical samples.

10. FILING SYSTEMS

Plane Collection

[True White](#)



[Fantasy Bright](#)



[Extra Vena](#)



[Calacatta Vena](#)



[Arabescato Vena](#)



[White Plane](#)



[Paonazetto Vena](#)



[Crystal Vena](#)



[Fantasy Cloud](#)



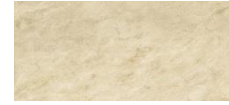
[White Sand Plane](#)



[Golden Glamour Plane](#)



[Marfil Vena](#)



[Fantasy Gold](#)



[Travertino Vena](#)



[Copper Plane](#)



[Silver Plane](#)



[True Black](#)



[Black Plane](#)



[Dark Vena](#)



[Napoleon Vena](#)



Note to Specifier: Click on color with Internet connection to hyperlink directly to product color data at the StonePeak Ceramics website.

11. ENVIRONMENTAL CERTIFICATIONS

StonePeak proudly contain factory and product certifications:



12. RECYCLED CONTENT

Products certified by Bureau Veritas. Please ask to see certification

Pre-Consumer Recycled Content: 40%
Post-Consumer Recycled Content: 6%