PLANE

Next Generation Of Panels

durable   continuous   surfaces

BACKSPLASH

COUNTERTOP

STONEPEAK

high tech porcelain

P L A N E

Next Generation Of Panels

durable continuous surfaces

StonePeak leads the way forward with a new generation of panels. Through concentrated research and ongoing innovative experience, we have patented the first 5 ft. x 10 ft. large porcelain panel of its kind.

A new formulation and composition of raw materials, allows for a reduced thickness, full-body, light weight panel with no fiber glass back netting. State-of-the-art technology provides the durable technical characteristics of porcelain with the aesthetic beauty of a natural slab of quarried stone or stained concrete.

This breakthrough panel gives a fresh look to continuous surfaces, providing a potential endless array of uses for residential, commercial, floor, wall, interior, and exterior applications.

suitable for
HIGH TRAFFIC
applications

CERTIFIED
PORCELAIN
TILE
0.5% or less water absorption

WALL

FLOOR

OLD

NEW

shown is 5'x10' Silver Plane
replacing old 2"x2" tile for a
fresh new installation appearance

PLANE

COMPARISON CHART

Characteristics:	StonePeak Plane Panels	Quartz Surface	Granite	Marble Concrete	Stain Concrete	Laminate
Scratch Resistant	***	***	***	**	*	**
Stain Resistant	***	***	**	*	*	***
Crack Resistant	***	***	**	*	*	**
Heat and Burn Resistant	***	**	**	**	**	**
Resistant to Many Household Chemicals, Acids and Solvents	***	***	**	**	*	**
Low Maintenance	***	***	**	**	*	**
Nonabsorbent and Nonporous	***	***	**	**	*	**
Mold and Mildew Resistant	***	***	**	*	**	**
Flexural Strength	***	***	*	*	*	*
Color Consistency	***	***	*	*	**	***
Immunity to Freeze and Thaw	***	***	***	*	*	*

key: *** Excellent | ** Good | * Fair

NEXT GENERATION OF PANELS

TECHNICAL FEATURES

- ☑ FLEXIBLE
- ☑ ABUSE RESISTANT
- ☑ HEAT PROOF
- ☑ FROST PROOF
- ☑ MOLD RESISTANT
- ☑ ENERGY EFFICIENT
- ☑ NO VOC
- ☑ NO ARTIFICIAL BINDERS
- ☑ CRACK RESISTANT

USES

- ☑ FLOORS
- ☑ WALLS
- ☑ INTERIORS
- ☑ EXTERIORS
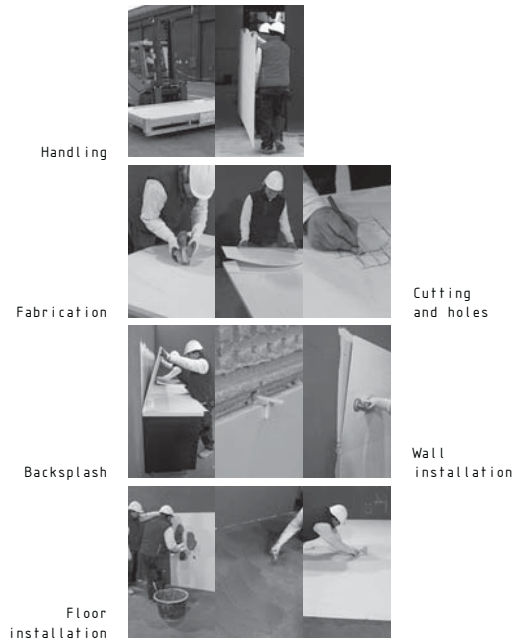- ☑ COUNTERTOPS
- ☑ VENEERS
- ☑ PARTITIONS

SIZES	THICKNESS
5'x10'	6mm (approx. ¼")
5'x5'	6mm (approx. ¼")
2.5'x5'	6mm (approx. ¼")
2.5'x2.5'	6mm (approx. ¼")
1.25'x2.5'	6mm (approx. ¼")

SEAMLESS WALL AND FLOOR PANELS

Handling

Fabrication

Cutting and holes

Backsplash

Wall installation

Floor installation

UTILIZATION EXAMPLES:

EXTERIORS

INTERIORS

COUNTER TOPS

STONEPEAK
high tech porcelain

PLANE
CALACATTA VENA A B

*Description: A & B are "book match"
 faces which can be used side by side
 for a continuous vein effect.

USH12060088
CALACATTA VENA PLANE A 60"x120"– 5'x10'
USSP12060088
CALACATTA VENA PLANE A 60"x120"– 5'x10' POLISHED
USH12060089
CALACATTA VENA PLANE B 60"x120"– 5'x10'
USSP12060089
CALACATTA VENA PLANE B 60"x120"– 5'x10' POLISHED

A   B

PLANE
CALACATTA VENA CLASSIC

*Description: Classic contains four various
 faces with simultaneous vein effect

USH12060090
CALACATTA VENA CLASSICO 60"x120"– 5'x10'
USSP12060090
CALACATTA VENA CLASSICO 60"x120"– 5'x10' POLISHED

USH6060090
CALACATTA VENA CLASSICO 60"x60"– 5'x5'
USSP6060090
CALACATTA VENA CLASSICO 60"x60"– 5'x5' POLISHED

USH3060090
CALACATTA VENA CLASSICO 30"x60"– 2.5'x5'
USSP3060090
CALACATTA VENA CLASSICO 30"x60"– 2.5'x5' POLISHED

USH3030090
CALACATTA VENA CLASSICO 30"x30"– 2.5'x2.5'
USSP3030090
CALACATTA VENA CLASSICO 30"x30"– 2.5'x2.5' POLISHED

USH3015090
CALACATTA VENA CLASSICO 15"x30"– 1.25'x2.5'
USSP3015090
CALACATTA VENA CLASSICO 15"x30"– 1.25'x2.5' POLISHED

All sizes are nominal
For technical information refer to our web–site
www.stonepeakceramics.com

PLANE COVELANO VENA   PLANE MARQUINA VENA

USH12060095
COVELANO VENA 60"x120"– 5'x10'
USP12060095
COVELANO VENA 60"x120"– 5'x10' POLISHED

USH6060095
COVELANO VENA 60"x60"– 5'x5'
USP6060095
COVELANO VENA 60"x60"– 5'x5' POLISHED

USH3060095
COVELANO VENA 30"x60"– 2.5'x5'
USP3060095
COVELANO VENA 30"x60"– 2.5'x5' POLISHED

USH3030095
COVELANO VENA 30"x30"– 2.5'x2.5'
USP3030095
COVELANO VENA 30"x30"– 2.5'x2.5' POLISHED

USH3015095
COVELANO VENA 15"x30"– 1.25'x2.5'
USP3015095
COVELANO VENA 15"x30"– 1.25'x2.5' POLISHED

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

USH12060097
MARQUINA VENA 60"x120"– 5'x10'
USP12060097
MARQUINA VENA 60"x120"– 5'x10' POLISHED

USH6060097
MARQUINA VENA 60"x60"– 5'x5'
USP6060097
MARQUINA VENA 60"x60"– 5'x5' POLISHED

USH3060097
MARQUINA VENA 30"x60"– 2.5'x5'
USP3060097
MARQUINA VENA 30"x60"– 2.5'x5' POLISHED

USH3030097
MARQUINA VENA 30"x30"– 2.5'x2.5'
USP3030097
MARQUINA VENA 30"x30"– 2.5'x2.5' POLISHED

USH3015097
MARQUINA VENA 15"x30"– 1.25'x2.5'
USP3015097
MARQUINA VENA 15"x30"– 1.25'x2.5' POLISHED

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

PLANE TRAVERTINO VENA

USH12060098
TRAVERTINO VENA 60"x120"– 5'x10'
USP12060098
TRAVERTINO VENA 60"x120"– 5'x10' POLISHED

USH6060098
TRAVERTINO VENA 60"x60"– 5'x5'
USP6060098
TRAVERTINO VENA 60"x60"– 5'x5' POLISHED

USH3060098
TRAVERTINO VENA 30"x60"– 2.5'x5'
USP3060098
TRAVERTINO VENA 30"x60"– 2.5'x5' POLISHED

USH3030098
TRAVERTINO VENA 30"x30"– 2.5'x2.5'
USP3030098
TRAVERTINO VENA 30"x30"– 2.5'x2.5' POLISHED

USH3015098
TRAVERTINO VENA 15"x30"– 1.25'x2.5'
USP3015098
TRAVERTINO VENA 15"x30"– 1.25'x2.5' POLISHED

All sizes are nominal
For technical information refer to our web–site
www.stonepeakceramics.com

PLANE WHITE

PLANE SILVER

USH12060087
WHITE PLANE 60"x120"- 5'x10'
USSP12060087
WHITE PLANE 60"x120"- 5'x10' CHROME

USH6060087
WHITE PLANE 60"x60"- 5'x5'
USSP6060087
WHITE PLANE 60"x60"- 5'x5' CHROME

USH3060087
WHITE PLANE 30"x60"- 2.5'x5'
USSP3060087
WHITE PLANE 30"x60"- 2.5'x5' CHROME

USH3030087
WHITE PLANE 30"x30"- 2.5'x2.5'
USSP3030087
WHITE PLANE 30"x30"- 2.5'x2.5' CHROME

USH3015087
WHITE PLANE 15"x30"- 1.25'x2.5'
USSP3015087
WHITE PLANE 15"x30"- 1.25'x2.5' CHROME

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

USH12060086
SILVER PLANE 60"x120"- 5'x10'
USSP12060086
SILVER PLANE 60"x120"- 5'x10' CHROME

USH6060086
SILVER PLANE 60"x60"- 5'x5'
USSP6060086
SILVER PLANE 60"x60"- 5'x5' CHROME

USH3060086
SILVER PLANE 30"x60"- 2.5'x5'
USSP3060086
SILVER PLANE 30"x60"- 2.5'x5' CHROME

USH3030086
SILVER PLANE 30"x30"- 2.5'x2.5'
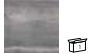USSP3030086
SILVER PLANE 30"x30"- 2.5'x2.5' CHROME

USH3015086
SILVER PLANE 15"x30"- 1.25'x2.5'
USSP3015086
SILVER PLANE 15"x30"- 1.25'x2.5' CHROME

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

PLANE BLACK

USH12060091
BLACK PLANE 60"x120"– 5'x10'
USSP12060091
BLACK PLANE 60"x120"– 5'x10' CHROME

USH6060091
BLACK PLANE 60"x60"– 5'x5'
USSP6060091
BLACK PLANE 60"x60"– 5'x5' CHROME

USH3060091
BLACK PLANE 30"x60"– 2.5'x5'
USSP3060091
BLACK PLANE 30"x60"– 2.5'x5' CHROME

USH3030091
BLACK PLANE 30"x30"– 2.5'x2.5'
USSP3030091
BLACK PLANE 30"x30"– 2.5'x2.5' CHROME

USH3015091
BLACK PLANE 15"x30"– 1.25'x2.5'
USSP3015091
BLACK PLANE 15"x30"– 1.25'x2.5' CHROME

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

PLANE COPPER

USH12060092
COPPER PLANE 60"x120"– 5'x10'
USSP12060092
COPPER PLANE 60"x120"– 5'x10' CHROME

USH6060092
COPPER PLANE 60"x60"– 5'x5'
USSP6060092
COPPER PLANE 60"x60"– 5'x5' CHROME

USH3060092
COPPER PLANE 30"x60"– 2.5'x5'
USSP3060092
COPPER PLANE 30"x60"– 2.5'x5' CHROME

USH3030092
COPPER PLANE 30"x30"– 2.5'x2.5'
USSP3030092
COPPER PLANE 30"x30"– 2.5'x2.5' CHROME

USH3015092
COPPER PLANE 15"x30"– 1.25'x2.5'
USSP3015092
COPPER PLANE 15"x30"– 1.25'x2.5' CHROME

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

PLANE **TRUE BLACK**   PLANE **TRUE WHITE**

USH12060093
TRUE BLACK 60"x120"– 5'x10' MATTE
USP12060093
TRUE BLACK 60"x120"– 5'x10' POLISHED

USH6060093
TRUE BLACK 60"x60"– 5'x5' MATTE
USP6060093
TRUE BLACK 60"x60"– 5'x5' POLISHED

USH3060093
TRUE BLACK 30"x60"– 2.5'x5' MATTE
USP3060093
TRUE BLACK 30"x60"– 2.5'x5' POLISHED

USH3030093
TRUE BLACK 30"x30"– 2.5'x2.5' MATTE
USP3030093
TRUE BLACK 30"x30"– 2.5'x2.5' POLISHED

USH3015093
TRUE BLACK 15"x30"– 1.25'x2.5' MATTE
USP3015093
TRUE BLACK 15"x30"– 1.25'x2.5' POLISHED

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

USH12060094
TRUE WHITE 60"x120"– 5'x10' MATTE
USP12060094
TRUE WHITE 60"x120"– 5'x10' POLISHED

USH6060094
TRUE WHITE 60"x60"– 5'x5' MATTE
USP6060094
TRUE WHITE 60"x60"– 5'x5' POLISHED

USH3060094
TRUE WHITE 30"x60"– 2.5'x5' MATTE
USP3060094
TRUE WHITE 30"x60"– 2.5'x5' POLISHED

USH3030094
TRUE WHITE 30"x30"– 2.5'x2.5' MATTE
USP3030094
TRUE WHITE 30"x30"– 2.5'x2.5' POLISHED

USH3015094
TRUE WHITE 15"x30"– 1.25'x2.5' MATTE
USP3015094
TRUE WHITE 15"x30"– 1.25'x2.5' POLISHED

All sizes are nominal
For technical information refer to our web-site
www.stonepeakceramics.com

LARGE PORCELAIN PANEL INSTALLATION GUIDE

LARGE PORCELAIN PANEL INSTALL GUIDE
StonePeak's large porcelain panel is a lightweight product that is produced using less materials and less energy. This combination makes it a perfect choice for many "sustainable" installation projects specifying interior walls, floors, and facades. Special equipment may be required when placing and adjusting these large tiles. Our "large porcelain panel tile" has a thickness of 1/4" (6 mm).

Figure 1:
example of light weight Stonepeak large porcelain panel utilizing suction cup handles (see recommended tool guide)

SURFACE PREPARATION: FLOORS
Interior floors must be structurally stable and capable of supporting the tile, setting system, and associated live loads and dead loads. Concrete and existing tile over concrete are to be fully cured and free of soap scum, dust, dirt, oil, wax, sealers, paint, coatings, and any other substances that could reduce or inhibit proper adhesion performance.

1) Floors with the following criteria are considered suitable substrates:
· Concrete slab, either on-grade or above-grade
· Existing tile should be sound, stable, well-bonded and prepared using either of the following options:

Option 1: Mechanical abrasion with a carborundum disk followed by a clear water wash is recommended. Refer to the most current TCNA (Tile Council of North America) handbook, method TR712; or the TTMAC (Terrazzo Tile & Marble Association of Canada) Tile Installation Manual, details 324 RF.

Option 2: Prime the existing tile over concrete with recommended setting materials (refer to chart)
Note: Substrates supported by wood structures, backerboard, oriented strand board (OSB), gypsum underlayments, or sheet membranes are not considered suitable substrates for this installation recommendation.

2) Before Installation – Floor Flatness
The surface of the substrate must have the following flatness before installation:
The substrate receiving the large porcelain panel tile should be prepared to a floor flatness (FF) of > 50. All approved and properly prepared substrates should have no more than a permissible variation of 1/8" in 10' (3 mm in 3,05 m) from the required plane; nor more than 1/16" in 12" (2 mm in 30 cm) when measured from high points in the surface with a straight edge. It is important to note that FF numbers are generally taken within 72 hours of slab placement, after which time the slab conditions can change. Slab flatness requirements should be re-evaluated before installation of any large porcelain panel. To achieve the acceptable floor flatness, any cementitious self-leveling underlayment (normal setting or rapid-setting) can be used before installing the large porcelain panel tile. Always use the appropriate primer before application of the self-leveling underlayment.
Note: For further information on the correlation between FF numbers, tile size, grout joint size and traditional 10' (3,05 m) straight-edge measurements, refer to both the ACI (American Concrete Institute) 302.2R-06 "Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials," Section 1.5 – "Floor flatness changes with time;" and to the NTCA (National Tile Contractors Association) Technical Manual, Section 01/10, Floor Flatness, G-19.

Note: To help achieve maximum coverage with these mortars, mix to the higher water ratio limit according to the most current TDS Mechanical Edge-Leveling Systems Mechanical edge-leveling systems will greatly assist in the installation of thin-body porcelain tile to reduce the effects of lippage. The design of the system reduces and, in most cases, eliminates settling from shrinkage as well as minimizing the possibility of warping.

Figure 2:

Example of a large porcelain tile being installed using a mechanical edge-leveling system to reduce lippage Note: Mechanical edge-leveling systems are intended to be used in conjunction with good substrate preparation practices (FF > 50 or 1/8" in 10' [3 mm in 3,05 m]), not as a substitute for those practices.

TROWEL SELECTION
Use a trowel with a configuration that helps to obtain maximum mortar coverage between the substrate and the large porcelain panel, evenly spreading the mortar across the bottom of the tile and minimizing air pockets.

SETTING THE TILE
1. Mortar should be applied and notched to both the substrate and back of the tile. The trowel ridges on the tile back and the substrate should be troweled in a straight line such that they will be parallel to each other when the tile is placed on the substrate.

2. Do not allow mortar to dry or skin over on either surface before setting the tile. His may require careful planning to ensure sufficient personnel are on site to complete the installation.

3. Place tile into the fresh mortar and firmly press to cause the ridges to flatten out and come together into a continuous void-free bed. Install desired spacers if grout joint design width.
Note: A minimum grout joint width of 1/16" (1,5 mm) should be maintained through the entire installation.

Figure 3:

Example of new large porcelain tile being installed on prepped floor.

4. Place the straps along the tile edge according to the recommended spacing and place the caps on the top of the strap, but do not seat them at this time.

LARGE PORCELAIN PANEL INSTALLATION GUIDE

5. Lightly tamp the surface of the tile with a hard rubber grout float to ensure good contact. (Do not use a rubber mallet.)

6. There should be full mortar coverage on the back of the tile. When a mechanical edge-leveling system is used, it is imperative to have sufficient mortar under the body of the tile and at the tile edges for full support. Fill any voids with the mortar for complete support.

Figure 4:
Example of full coverage.

7. Install adjacent tile.

8. Remove any excess mortar from grout joints as work progresses.

9. Using the installation tool, pull the caps down into contact with the tile face and apply recommended tension until the tile edges are in alignment. All edges should be fully supported. Continue this process with each tile across installation area, repeating steps 1-8 and checking edge alignment.

10. Light traffic can be allowed after at least 72 hours following installation for traditional-setting mortar. For rapid-setting mortar, allow at least 12 hours before opening to light traffic.

MOVEMENT JOINTS
Perimeter and field movement joints are required within tile installations. Expansion, construction and contraction joints should be carried though the tile without exception. Refer to the most current TCNA handbook, detail method EJ-171; or the TTMAC Tile Installation Manual, detail method 301MJ.)

GROUTING THE TILE
All grout joints should be packed full and free of voids.
Note: For any applications with a higher rating than "light commercial" per ASTM C627 and approved by the thin-tile manufacturer, refer to recommended grouts enclosed

OPTIONAL LAYERING COMPONENTS
Waterproofing can be installed on interior tile installations that are exposed to intermittent or continuous wet conditions. Recommended mesh must be used as part of the entire installation.

Meets ANSI A118.10 standards

Listed by IAPMO (International Association of Plumbing and Mechanical Officials)

Rated with TCNA (Tile Council of North America Environmental Classifications Res 1-3; consult the most current TCNA Handbook for details regarding Environmental Classifications.

LARGE PORCELAIN PANEL FABRICATION SEQUENCE
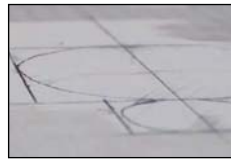
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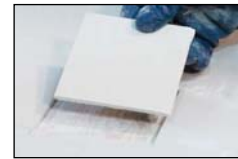

1

2

3

4

5

6

SPECIAL CUTS

1

2

3

4

5

PLEASE CONTACT SETTING MATERIAL/TOOL MANUFACTURER
DIRECT FOR DETAILS OR FURTHER INFORMATION.

SIGMA KERA-CUT (Model 8C – 60" } (Model 8E – 120")
·The most accurate and easy to use cutter for large panels

EURO-NOTCH TROWEL (Model 1Y, 1YA, 1YL & 1YLA)
·Zipper trowel for maximum thin set coverage 90-98%
·Stainless steel with soft grip upright or angle handle

DIAMOND SANDING PAD (Models DS60 & DS200)
·For smoothing the panels edge

WATER DAM & GUIDE (Model 87D2)
·For drilling holes before and after installation (walls & floors)
·Diamond hole saws range from 1/16" to 4 ½" in diameter (prices vary by size)

MECHANICAL EDGE LEVELING SYSTEM
(Model LIPTL tool, LIPC cap, LIPS strap)
·Presoaking of straps unnecessary
·Kick caps to remove after installation

EURO-FLOAT (Model 107)
·For tapping and grouting large panels
·3"x 15"

EURO-GRIP (Model E--GRIP)
·For unloading, moving & handling of panels
·12 suction cups (fully adjustable)
·4 adjustable handles
·Multiple length configuration (4½', 6', 8' & 10')
·Multiple shape configuration (i.e. U & Z shapes)
·Tilt from 90 to 45% angles (optional accessory)
·4 casters (optional – not included)
·Free standing

EURO-BENCH/TRANSPORTER
(Model E--BTR) (Same model functions as both)
·For transporting up to 10 thin panels
·Fully adjustable upright legs for different thicknesses
·Rubber inserts securely hold panels in place
·80"L x 28"W
·85 lbs.
·6 castors (optional – not included)

·Workbench for cutting and back buttering panels.
·Supported by 10 legs
·Extends from 80"to 134"
·Width is 28"
·DOES NOT INCLUDE TABLETOP
·RECOMMENDED: 2 pieces of 67"x 39"x ¾"
high quality plywood hinged together for tabletop.

European Tile Masters, Inc.
www.europeantilemasters.com – Phone: 954.917.3599

RAIMONDI'S FLOW RIDGE, SLANT NOTCH TROWEL:
with 5/16" x 5/16" (8 x 8 mm) notches

RAIMONDI'S FREE-CUT AND EXTENSION:
Guide for cutting large tiles
Provided with cutting of pliers, with side squares, and carrying case for set

RAIMONDI'S SPECIAL PLIERS FOR CUTTING:
After scoring large tile with the Free-Cut, these special pliers help with the grip to cut

RAIMONDI'S COMPLETE CUTTING UNIT WITH ANGLE GRINDER for Free-Cut Guide with diamond blade: Also equipped with vaccum connection

RAIMONDI'S KIT TO SECURE FREE-CUT BARS TO BENCH:
Includes 2 side supports for fixing to the bench and for up/down movement

RAIMONDI'S FREE-MOVE:
System handling supplied with 8 suction cups and safety hooks

RAIMONDI'S CLOSER DEVICE:
To move in place tile/slabs after setting on adhesive

RAIMONDI'S BEATING BLOCK:
To improve adhesive bounding
contains rubber bottom to prevent tile damage

Raimondi, USA
www.raimondiusa.com – Phone: 262.820.1212

RECOMMENDED SETTING MATERIALS
(Interior Floor Application):

MAPEI

Granirapid ®System
Ultraflex ™ LFT Rapid
Ultraflex LFT
Ultralite Mortar ™
Ultraflex™ RS

Ultracolor ® Plus
Kerapoxy ®
Opticolor ™

Contact info:
Mapei
www.mapei.us
Phone: 800.992.6273

LATICRETE

Laticrete ® 3701 Fortified Mortar Bed
Laticrete Hydro Ban
Laticrete 254R Platinum Rapid
Laticrete 4-XLT™

Laticrete PermaColor™ Grout
Laticrete SpectraLOCK®
PRO Premium Grout

Contact info:
Laticrete
www.laticrete.com
Phone: 800.243.4788

CUSTOM

ProLite Tile & Stone Mortar
MegaFlex Crack Prevention Mortar
Complete Contact Fortified Mortar
EBM-Lite Epoxy Bonding Mortar
CEG-Lite 100% Solids Commercial
Epoxy Grout

Polyblend
Prism SureColor Grout
CEG-Lite 100% Solids Commercial
Epoxy Grout

Contact info:
Custom Building Products
www.custombuildingproducts.com
Phone: 800.282.8786

HANDLING AND STORAGE
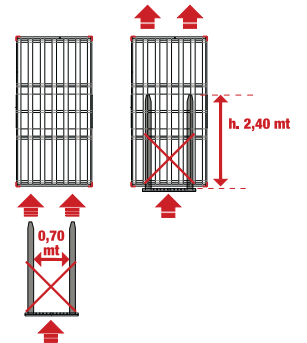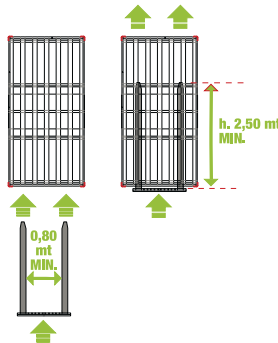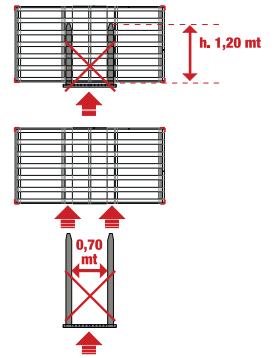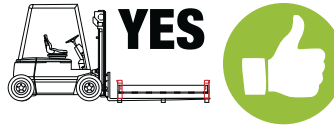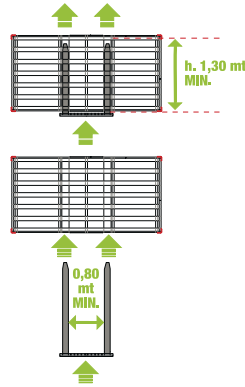
CARE AND MAINTENANCE

Initial Cleaning During Installation

As with any flooring material, the most important step in the care and maintenance of your porcelain floor is the initial cleaning. The single most important step in caring for your StonePeak Ceramics' floor is the complete removal of setting material, grout residue, and/or any construction residue from the surface of the tiles before they have a chance to dry. In most cases, StonePeak Ceramics' porcelain tiles can be cleaned successfully by scrubbing the installation with a "neutral detergent cleaner" followed by a thorough rinsing.

If a grout residue still remains, rinse further, cleaning the tile several times with clean water, to be certain you have removed traces of grout residue from the surface of the tiles. Grout manufacturers have printed detailed instructions for the proper cleaning of grout residues available. The grout manufacturer's directions should be followed if a grout film is present on the surface of the porcelain tiles. Once the initial cleaning process has been completed, StonePeak Ceramics' porcelain tiles just need to be swept or vacuumed and damp mopped with a "neutral detergent cleaner" followed by a thorough rinsing.

Special Grouting Precautions

It is recommended that a test patch be done prior to grouting the installation to determine if contaminations of grout pigment will occur on the tile – especially when using light colored tiles or polished tiles that are to be grouted with a dark contras ting colored grout, or when dark colored tiles are to be grouted with a light colored grout. If discoloration does not occur on the surface of the tile, then proceed with grouting. If discoloration does occur, it is recommended to request from the grout manufacturer a proper procedure for the protection of this surface.

Proper Care During The Construction Phase

Like any other finished material, StonePeak Ceramics' porcelain tiles are viewed as a finish flooring material. We strongly recommend that a protective cover such as cardboard, construction paper, plywood, and/or other covering which will protect the porcelain tile during the initial construction phase be used. The use of plastic as a cover is not recommended, since plastic becomes slippery when construction residue comes in contact with the plastic. In addition, plastic has a tendency to delay the natural curing process of the thin-set and/or grout.

Matte & Honed Tiles

StonePeak Ceramics' porcelain tile products do not require the use of sealers, surface coating or waxes on the Matte, and Honed porcelain tiles. In fact, the surface of the matte series is so smooth, and non-absorbing, that Stain Test results show that StonePeak Ceramics' porcelain tiles are virtually stain resistant. Applying a sealer or surface coating to matte finish porcelain tiles will only add unnecessary steps to the overall maintenance program – without enhancing the overall appearance of the tile. The use of sealers on impervious porcelain paver tiles will turn a low-maintenance tile into labor intensive high-maintenance tile, and in most cases, these applied surface sealers on matte porcelain tiles change and/or diminish the slip resistance of the porcelain tile.

Polished & Chrome Tiles

In the event a polished, chrome finish is used in an area prone to excessive spills or dirt, it may be advisable to treat the tile with a penetrating-type sealer. During the polishing process, microscopic pores are sometimes exposed. Although the pores are shallow, spills can fill them making standard cleaning procedures inadequate. By using a penetrating-type sealer, these microscopic pores are filled preventing stains from setting in. A penetrating-type sealer is designed only to fill pores, not to coat the tile surface. You will not alter the polished tile's appearance, provided a recommended sealer is used and applied according to manufacturer's instructions.

Please note:
– StonePeak highly recommends the use of low voc, non-hazardous, and non-polluting products for the cleaning and maintenance of tile and grout products.
– Acid washing is rarely recommended. Acid or acid based cleaners should not be used to clean a grout residue. Some acids can burn non-epoxy or cementitious grouts and leave a white film that is almost impossible to remove. Also, the use of certain acid solutions can structurally weaken the grout in the joint of the tile. If in the event a mild solution of sulfamic or phosphoric acid base cleaner is needed, carefully read the manufacturer's instructions.

RECOMMENDATIONS GUIDE

Daily Maintenance

As with any flooring material, general maintenance and cleaning varies depending on the surface, texture of the tile and surface contaminate. Generally, neutral cleaners are more than sufficient to clean and maintain StonePeak Ceramics' porcelain tiles. It's important that the cleaner used is a non-oil, non-soap, and non-animal fat based product.

These cleaners have a tendency to act like a magnet and attract dirt and dust, due to the residue build-up left behind during the clean up.

Generally water and a soft sponge will remove most contaminants from your porcelain tile. If a cleaning product other than water is used for general cleaning only a neutral Ph cleaner (with the characteristics described above) should be used. These neutral Ph cleaners are available from most sealer manufacturers and can be found at a local hardware store or tile distributor. Cleaners such as Formula 409, Fantastic, or Windex can sometimes be used on unsealed tiles, but most are alkaline in nature and could attack the surface finish. If using a cleaner such as this always test a small area first. If you are not able to remedy the situation using the materials above refer to the Heavy Duty Maintenance section of the Recommendations Guide.

Heavy Duty Maintenance

If contaminants occur due to more than daily routine activities, then the use of a stronger cleaner may be needed. Use caution in selecting the product for heavy duty cleaning as many chemicals can damage items of the installation or near the installation as well as discolor and/or stain certain types of tiles. Porcelain tiles are the most durable tiles available, however, we do not test every chemical made, and therefore a test area is needed to confirm that the product selected is suitable for the removal of the contaminant in question. Please refer to the Stain Removal Guide for information about particular stains and manufacturer information. The information listed is only a guide. For more specific information please contact one of the manufacturers listed. Always follow the directions from the manufacturer of the cleaning product you intend to use.

Stain Removal Guide

Stain	Miracle Sealants	Aqua Mix	Fila Chemicals
Food Stains			
Coffee, Wine, Grape, Juice, Tea, Mustard, Ketchup, Soda, Other foods	Porcelain and Ceramic Tile Cleaner or Miraclean #1***	Concentrated Stone & Tile Cleaner or Heavy-Duty Tile & Grout Cleaner for heavier stains	PS/87 or SR/95*
Oil Based Stains			
Animal Fats, Vegetable Fats, Cooking oil, Wax, Rubber, Lipstick	Porcelain and Ceramic Tile Cleaner or Liquid Poultice***	Heavy-Duty Tile & Grout Cleaner	PS/87
Oil based paint		Sealer and Coating Remover	PS/87 or No Paint
Other Stains			
Ink, Felt Marker	Porcelain and Ceramic Tile Cleaner or Poultice Powder with Liquid Poultice,	Sealer and Coating Remover	PS/87 or SR/95*
Crayon			
Pencil		Phosphoric Acid Cleaner w/ Poultice Stain Remover	PS/87
Paint (H2O based)		Sealer and Coating Remover	PS/87 or No Paint
Grout			
Cement, Latex/Polymer		Sulfamic Acid Crystals or Phosphoric Acid Cleaner (after 10 days on new grout) or Grout Haze Clean-up (first 1-10 days)**	Deterdek
	MiraSeal GCFR, H2O Strip or Epoxy Grout Film Remover		
Epoxy	Epoxy Grout Film Remover	Sealer and Coating Remover	PS/87

*   SR/95 for difficult to remove and colored stains.
**   Grout haze Clean-Up, Sulfamic Acid Crystals, and Phosphoric Acid Cleaner should not be used on polished or acid sensitive surfaces.
***   Miracle Sealants offers additional products for removal of these stains, refer to manufacturer's literature.

Cleaner Manufacturers Contact Information
Miracle Sealants Company   12318 Lower Azusa Road, Arcadia, CA 91006   Phone: 800-350-1901 Extension 3013
Aqua Mix   250 Benjamin Drive, Corona, CA 92879   Phone: 951-256-3040
Fila Chemicals   10800 NW 21st Street #170, Miami, FL 33172   Phone: 305-513-0708

| SIZE	CODE	NAME	Piece	Piece sq.ft	CRATE Pcs	CRATE sq.ft	THICKNESS mm.	WEIGHT Lb/sq.ft
60"x120"	USH12060088	Calacatta Vena A	1	49.48	12	593.77	6.0	2.88
	USH12060089	Calacatta Vena B	1	49.48	12	593.77	6.0	2.88
	USH12060090	Calacatta Vena Classico	1	49.48	12	593.77	6.0	2.88
	USH12060095	Covelano Vena	1	49.48	12	593.77	6.0	2.88
	USH12060098	Travertino Vena	1	49.48	12	593.77	6.0	2.88
	USH12060097	Marquina Vena	1	49.48	12	593.77	6.0	2.88
	USH12060087	White Plane	1	49.48	12	593.77	6.0	2.88
	USH12060086	Silver Plane	1	49.48	12	593.77	6.0	2.88
	USH12060091	Black Plane	1	49.48	12	593.77	6.0	2.88
	USH12060092	Copper Plane	1	49.48	12	593.77	6.0	2.88
	USH12060093	True Black	1	49.48	12	593.77	6.0	2.88
	USH12060094	True White	1	49.48	12	593.77	6.0	2.88
60"x120" polished	USSP12060088	Calacatta Vena A	1	49.48	12	593.77	6.0	2.88
	USSP12060089	Calacatta Vena B	1	49.48	12	593.77	6.0	2.88
	USSP12060090	Calacatta Vena Classico	1	49.48	12	593.77	6.0	2.88
	USSP12060095	Covelano Vena	1	49.48	12	593.77	6.0	2.88
	USSP12060098	Travertino Vena	1	49.48	12	593.77	6.0	2.88
	USSP12060097	Marquina Vena	1	49.48	12	593.77	6.0	2.88
	USSP12060093	True Black	1	49.48	12	593.77	6.0	2.88
	USSP12060094	True White	1	49.48	12	593.77	6.0	2.88
60"x120" chrome	USSP12060087	White Plane	1	49.48	12	593.77	6.0	2.88
	USSP12060086	Silver Plane	1	49.48	12	593.77	6.0	2.88
	USSP12060091	Black Plane	1	49.48	12	593.77	6.0	2.88
	USSP12060092	Copper Plane	1	49.48	12	593.77	6.0	2.88

SIZE	CODE	NAME	BOX Pieces	BOX sq.ft	PALLET Box	PALLET sq.ft	THICKNESS mm.	WEIGHT Lb/sq.ft
60"x60"	USH6060090	Calacatta Vena Classico	1	24.74	24	593.78	6.0	2.88
	USH6060095	Covelano Vena	1	24.74	24	593.78	6.0	2.88
	USH6060098	Travertino Vena	1	24.74	24	593.78	6.0	2.88
	USH6060097	Marquina Vena	1	24.74	24	593.78	6.0	2.88
	USH6060087	White Plane	1	24.74	24	593.78	6.0	2.88
	USH6060086	Silver Plane	1	24.74	24	593.78	6.0	2.88
	USH6060091	Black Plane	1	24.74	24	593.78	6.0	2.88
	USH6060092	Copper Plane	1	24.74	24	593.78	6.0	2.88
	USH6060093	True Black	1	24.74	24	593.78	6.0	2.88
	USH6060094	True White	1	24.74	24	593.78	6.0	2.88
60"x60" polished	USSP6060090	Calacatta Vena Classico	1	24.74	24	593.78	6.0	2.88
	USSP6060095	Covelano Vena	1	24.74	24	593.78	6.0	2.88
	USSP6060098	Travertino Vena	1	24.74	24	593.78	6.0	2.88
	USSP6060097	Marquina Vena	1	24.74	24	593.78	6.0	2.88
	USSP6060093	True Black	1	24.74	24	593.78	6.0	2.88
	USSP6060094	True White	1	24.74	24	593.78	6.0	2.88
60"x60" chrome	USSP6060087	White Plane	1	24.74	24	593.78	6.0	2.88
	USSP6060086	Silver Plane	1	24.74	24	593.78	6.0	2.88
	USSP6060091	Black Plane	1	24.74	24	593.78	6.0	2.88
	USSP6060092	Copper Plane	1	24.74	24	593.78	6.0	2.88
30"x60"	USH3060090	Calacatta Vena Classico	2	24.74	25	618.53	6.0	2.88
	USH3060095	Covelano Vena	2	24.74	25	618.53	6.0	2.88
	USH3060097	Marquina Vena	2	24.74	25	618.53	6.0	2.88
	USH3060098	Travertino Vena	2	24.74	25	618.53	6.0	2.88
	USH3060087	White Plane	2	24.74	25	618.53	6.0	2.88
	USH3060086	Silver Plane	2	24.74	25	618.53	6.0	2.88

All sizes are nominal

SIZE	CODE	NAME	BOX Pieces	BOX sq.ft	PALLET Box	PALLET sq.ft	THICKNESS mm.	WEIGHT Lb/sq.ft
30"x60"	USH3060091	Black Plane	2	24.74	25	618.53	6.0	2.88
	USH3060092	Copper Plane	2	24.74	25	618.53	6.0	2.88
	USH6060093	True Black	2	24.74	25	618.53	6.0	2.88
	USH6060094	True White	2	24.74	25	618.53	6.0	2.88
30"x60" polished	USSP3060090	Calacatta Vena Classico	2	24.74	25	618.53	6.0	2.88
	USSP3060095	Covelano Vena	2	24.74	25	618.53	6.0	2.88
	USSP3060098	Travertino Vena	2	24.74	25	618.53	6.0	2.88
	USSP3060097	Marquina Vena	2	24.74	25	618.53	6.0	2.88
	USSP3060093	True Black	2	24.74	25	618.53	6.0	2.88
	USSP3060094	True White	2	24.74	25	618.53	6.0	2.88
30"x60" chrome	USSP3060087	White Plane	2	24.74	25	618.53	6.0	2.88
	USSP3060086	Silver Plane	2	24.74	25	618.53	6.0	2.88
	USSP3060091	Black Plane	2	24.74	25	618.53	6.0	2.88
	USSP3060092	Copper Plane	2	24.74	25	618.53	6.0	2.88
30"x30"	USH3030090	Calacatta Vena Classico	3	18.56	36	668.02	6.0	2.88
	USH3030095	Covelano Vena	3	18.56	36	668.02	6.0	2.88
	USH3030098	Travertino Vena	3	18.56	36	668.02	6.0	2.88
	USH3030097	Marquina Vena	3	18.56	36	668.02	6.0	2.88
	USH3030087	White Plane	3	18.56	36	668.02	6.0	2.88
	USH3030086	Silver Plane	3	18.56	36	668.02	6.0	2.88
	USH3030091	Black Plane	3	18.56	36	668.02	6.0	2.88
	USH3030092	Copper Plane	3	18.56	36	668.02	6.0	2.88
	USH3030093	True Black	3	18.56	36	668.02	6.0	2.88
	USH3030094	True White	3	18.56	36	668.02	6.0	2.88
30"x30" polished	USSP3030090	Calacatta Vena Classico	3	18.56	36	668.02	6.0	2.88
	USSP3030095	Covelano Vena	3	18.56	36	668.02	6.0	2.88
	USSP3030098	Travertino Vena	3	18.56	36	668.02	6.0	2.88
	USSP3030097	Marquina Vena	3	18.56	36	668.02	6.0	2.88
	USSP3030093	True Black	3	18.56	36	668.02	6.0	2.88
	USSP3030094	True White	3	18.56	36	668.02	6.0	2.88
30"x30" chrome	USSP3030087	White Plane	3	18.56	36	668.02	6.0	2.88
	USSP3030086	Silver Plane	3	18.56	36	668.02	6.0	2.88
	USSP3030091	Black Plane	3	18.56	36	668.02	6.0	2.88
	USSP3030092	Copper Plane	3	18.56	36	668.02	6.0	2.88
15"x30"	USH3015090	Calacatta Vena Classico	6	18.56	36	668.02	6.0	2.88
	USH3015095	Covelano Vena	6	18.56	36	668.02	6.0	2.88
	USH3015098	Travertino Vena	6	18.56	36	668.02	6.0	2.88
	USH3015097	Marquina Vena	6	18.56	36	668.02	6.0	2.88
	USH3015087	White Plane	6	18.56	36	668.02	6.0	2.88
	USH3015086	Silver Plane	6	18.56	36	668.02	6.0	2.88
	USH3015091	Black Plane	6	18.56	36	668.02	6.0	2.88
	USH3015092	Copper Plane	6	18.56	36	668.02	6.0	2.88
	USH3015093	True Black	6	18.56	36	668.02	6.0	2.88
	USH3015094	True White	6	18.56	36	668.02	6.0	2.88
15"x30" polished	USSP3015090	Calacatta Vena Classico	6	18.56	36	668.02	6.0	2.88
	USSP3015095	Covelano Vena	6	18.56	36	668.02	6.0	2.88
	USSP3015098	Travertino Vena	6	18.56	36	668.02	6.0	2.88
	USSP3015097	Marquina Vena	6	18.56	36	668.02	6.0	2.88
	USSP3015093	True Black	6	18.56	36	668.02	6.0	2.88
	USSP3015094	True White	6	18.56	36	668.02	6.0	2.88
15"x30" chrome	USSP3015087	White Plane	6	18.56	36	668.02	6.0	2.88
	USSP3015086	Silver Plane	6	18.56	36	668.02	6.0	2.88
	USSP3015091	Black Plane	6	18.56	36	668.02	6.0	2.88
	USSP3015092	Copper Plane	6	18.56	36	668.02	6.0	2.88

All sizes are nominal

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