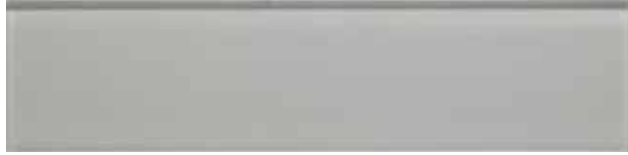


ARIZONA TILE



Dunes Denim Flat



Dunes Ivory Flat



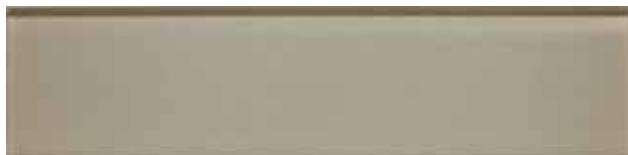
Dunes Pearl Flat



Dunes Pewter Flat



Dunes Platinum Flat



Dunes Sand Flat

DUNES SERIES

PRODUCT TYPE

Glass

COLORS

Dunes Denim
Dunes Ivory
Dunes Pearl
Dunes Pewter
Dunes Platinum
Dunes Sand

SIZES

3" × 12" Flat
3" × 12" Wave
2" × 6" Stagger Joint
1-1/2" × 6" Straight Stack
Arabesque Mosaic
Leaves Mosaic

TRIM

1/2" × 6" Pencil Liner

RECOMMENDED USES

Commercial
Residential
Countertops
Interior Wall
*Exterior Cladding
Showers
Pool & Spa (submerged)

**Painted-back glass should not be installed in applications where it is exposed to extreme heat. This includes interior walls behind industrial stove tops, or outdoor, direct sunlight applications. Outdoor installations, not in direct sunlight as well as applications at the waterline of a pool where the tile is partially submerged in water, are acceptable. Extreme heat exposure will cause discoloration of the tile and potential sheering of the bond between the tile and paint, due to expansion/contraction.*

The Dunes glass line is made from 8mm high quality, heavy duty, construction-grade glass, which is usually used for commercial windows in high-rise office buildings and hotels. The first step in the process to make Dunes is the coloring of the glass. The coloring is made up of color pigments mixed with metal oxides that are applied on one side of the glass sheets using a screening process that applies an evenly distributed layer across the entire surface. After completely air-drying, the larger sheets are then cut to their final size. Those pieces are then transferred to the appropriately sized kiln plates and fired at 1,472-1,580°F. The time for firing varies from 30-60 minutes, depending on the size and thickness of the glass. The firing process performs two tasks: it bonds the color to the glass chemically with the heat, and it also softens the cut edges of the tile to give you that pillowed effect atop each tile. After firing, the tiles are placed top-down in trays and then a special glue is applied with silk-made mesh that is cut to the size of the tray (approximately 12"x12"). It then goes through a drying machine and on to the quality control process before being boxed and palletized.

When installing Dunes Flat and Wave items, you need to use Laticrete 254 Platinum White Thinset. For all other sizes within the series, you need to use a latex-modified thinset that meets the standards for glass installations. When cutting the glass, we recommend using a high-quality glass tile blade such as the Zenisis Glass Tile Blade or the Alpha WG-1000. Not doing so can lead to chipping on both the front and back of the glass and will affect the final appearance of the product. After properly using the aforementioned cutting techniques, there will be some sharp edges at the cut areas. These can be softened by lightly sanding the edges or by using a high-quality rubbing stone. When installing the Wave 3" × 12", due to the undulation of this tile, back buttering with Laticrete 254 Platinum White thinset is recommended and grout joint sizes may vary. After installation, grout with any sanded grout using the manufacturer's recommendations. After cleanup, your Dunes installation is ready to enjoy!

In the pencil liner, some air bubbles and occasionally some impurities may appear. Also, due to the transparent and/or light translucent nature of this product, visible effects may occur behind the glass. None of these are considered a manufacturing problem or defects with the glass tile.

ARIZONA TILE

DUNES SERIES

To minimize the occurrence of these visible effects behind the glass, it is recommended to flatten the peaks of the thinset by using the smooth side of the trowel prior to installing the glass and make sure grout is packed in the joints.

Dunes glass tiles are frost-proof and acid resistant. They can be installed in any swimming pool, commercial, or residential application. Each installation situation should be carefully thought out for proper usage prior to the material being purchased.



Dunes Denim Wave



Dunes Ivory Wave



Dunes Pearl Wave



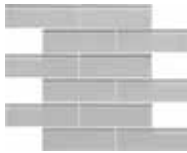
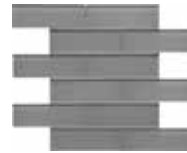
Dunes Pewter Wave



Dunes Platinum Wave



Dunes Sand Wave

Dunes Denim
1/2" x 6" Pencil LinerDunes Ivory
1/2" x 6" Pencil LinerDunes Pearl
1/2" x 6" Pencil LinerDunes Pewter
1/2" x 6" Pencil LinerDunes Platinum
1/2" x 6" Pencil LinerDunes Sand
1/2" x 6" Pencil LinerDunes Denim
Leaves MosaicDunes Ivory
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1-1/2" x 6" Straight StackDunes Sand
1-1/2" x 6" Straight Stack

SIZE	SHEET SIZE	SF/PC	PIECES/BOX	SF/BOX	BOXES/PALLET	SF/PALLET
3" x 12" Flat	N/A	0.2421	20	4.8420	120	581.0400
3" x 12" Wave	N/A	0.2421	20	4.8420	120	581.0400
2" x 6" Stagger Joint	0.9555 SF	0.9555	11	10.5105	63	693
1-1/2" x 6" Straight Stack	1.0197 SF	1.0197	11	11.2167	63	693
Arabesque Mosaic	0.768 SF	0.768	11	8.4480	63	693
Leaves Mosaic	0.971 SF	0.971	11	10.6810	63	693
1/2" x 6" Pencil Liner	N/A	N/A	150	N/A	72	10,800

ARIZONA TILE

DUNES SERIES

**STEP 1**

When cutting the glass, the factory recommends using a high-quality glass tile blade such as the Zenisis Glass Tile Blade or the Alpha WG-1000. Not doing so can lead to chipping on both the front and back of the glass and will affect the final appearance of the product.

**STEP 2**

When cutting the tile, place it with the glass side down and the paint side up, then cut at a slow pace. This will help to make sure the cut is smooth and the paint does not chip. To smooth the edge of the tile where it was cut, lightly sand it with a high quality rubbing stone.

**STEP 3**

Using the flat side of a trowel, firmly apply latex modified white thinset (that meets standards for glass tile installations) onto the substrate. When installing Dunes Flat and Wave items, you need to use Laticrete 254 Platinum White Thinset. For all other sizes within the series, you need to use a latex-modified thinset that meets the standards for glass installations.

**STEP 4**

With additional setting material, using a notch trowel, comb full notches horizontally to establish the proper depth of the setting bed.

**STEP 5**

Flatten the peaks of the thinset by using the smooth side of the trowel prior to installing the glass. This will help to minimize the occurrence of visible effects behind the glass.

**STEP 6**

Due to the undulation on the surface of the tile, back buttering is recommended. Additionally, due to the undulation of this material, grout joint sizes may vary.

Apply the tile into the setting bed, using light, even pressure to establish contact and eliminate any voids.

**STEP 7**

Using a float, gently push the tile into the setting bed, to create a uniform and flat surface. Allow the setting material to cure for approximately 24-48 hours before applying grout.

**STEP 8**

Apply sanded grout with a rubber float. Make sure the grout joints are completely full, and free of voids and pits. It is important to pack the grout joints to avoid seeing the mesh on the back of the sheet.

**STEP 9**

Use a damp sponge to remove the excess grout and clean the tile, resulting in a final, beautiful installation.