

Glass wall tile products are manufactured to satisfy industry standard specifications for glazed wall tile (ANSI A137.2).

SUITABLE APPLICATIONS

LOCATION	SUITABILITY
Walls	Yes
Floors	Sizes under 3" only
Steam Showers	Yes
Pools	Yes
Exterior	Yes

- No installation inside the firebox of a fireplace (surround is okay)
- No installation on countertops
- Any glass tile, matte or gloss, on floors can show scratches

MECHANICAL FEATURES

ASTM TEST	TEST NAME	RESULT
C1027	Abrasion	Class 3
C373	Water Absorption	0% - Impervious
C1026	Freeze - Thaw Resistance	Unaffected
C650	Chemical Resistance	Gloss - Class A Matte - Class D
C1378	Stain Resistance	Unaffected
	MOH's Hardness	4-5

Our glass tile products are made of pure impervious glass, and therefore have the properties of being:

- frostproof
- impervious to water and stains
- highly resistant to chemical attack
- resistant to fading and discoloration

COLOR INFORMATION

- Choose among 24 richly-saturated glass colors in both gloss and matte finishes.
- Color Variation: All colors are rated V1
- Please note that the green hue of clear glass sheets can vary from batch to batch. This becomes most noticeable on whites. Every order will ship from the same batch of glass so there should be no variation within one order, but it is possible to see a slight color shift between a sample and the order.

CUSTOM OPTIONS

- Customization is not available.

MANUFACTURING INFORMATION

- Glass Tile is manufactured for Fireclay Tile by a partner factory (experts in glass tile making for over 40 years)
- Drop ships independently of ceramic and brick orders

LEAD TIMES

- 4-6 weeks
- Rush orders are not available

INSTALLATION

Follow TCNA for glass tile installation. EJ-171 for all expansion joints. The substrates must be flat and stable. Always use an anti-fracture membrane under the glass tile. Any leveling of the substrate must be done before the membrane is applied. Do not build out the thin set under the glass tile. Always use glass specific white modified thin set designed for glass tile. Follow all manufacturer's instructions. Flatten the combs from a 3/16th inch notch trowel. Back butter each tile. Make sure coverage is 100%. The tile is translucent and the thin set comb will show through.

[Download Glass Installation Guide](#)

WARNING: Dry cutting and grinding of glass tile can lead to silica dust exposure, known to the State of California to cause cancer and birth defects or other reproductive harm. To reduce exposure to silica dust, only use a wet saw when cutting any tile.

HOT CLIMATES OR HEATED ENVIRONMENTS

Glass tiles are suitable for interior and exterior surfaces. They can be used in both residential and commercial applications.

Glass tile is suitable for exterior applications where temperatures may reach 122°F during the day and where there may also be a rapid cooling of temperature at night. In addition, glass tile may be used in heated areas such as steam-rooms, saunas, and hot pools, where it retains the strength and durability of a ceramic tile and the delicate translucency of glass. In exterior applications, glass tile also has the added benefit of being resistant to chemical attack, water absorption, and discoloration.

The production of glass tile involves the fusing of glass to colored glazes at temperatures above 1650°F followed by a rapid cooling of the individual pieces to room temperature. Even at these extreme firing and cooling temperatures in the stage of production, the glass tile pieces do not show any occurrences of cracking or stressing in any manner. Glass tile has been used extensively in exterior applications subject to effects of high heat and sunlight.

SUSTAINABILITY

- Shipping offset by carbonfund.org
- All fresh water used in manufacturing is rain water captured on site
- All water used throughout the facility is collected, filtered, and reused
- All orders are packaged with recycled materials
- Very low waste manufacturing practices (I have much more to note here but need to get bullets assembled)

COMMON FAILURES

1. Not following cutting instructions which can cause the color layer to chip, or the surface to the glass tile to chip. Use a glass cutting specific wet saw tile blade.
2. Improper substrate preparation. Level substrate, then use a crack suppression membrane. Do not build up the thin set under the glass tile to level.
3. Not smoothing down trowel marks which shows shadowing behind the glass tile. Knock down notches from the trowel. Back butter larger tiles.
4. Submerged installations (i.e., pools or fountains) must use face mounted mosaics.

COLOR GUIDE

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COLOR NAME	COLOR VARIATION
Albatross	1
Barn Swallow	1
Blue Jay	1
Carolina Wren	1
Chickadee	1
Condor	1
Dove	1
Egret	1
Falcon	1
Flycatcher	1
Grackle	1
Great Blue Heron	1
King Fisher	1
Lark	1
Magpie	1
Oriole	1
Partridge	1
Pheasant	1
Road Runner	1
Rosy Finch	1
Snowy Owl	1
Sparrow	1
Starling	1
Warbler	1

WARRANTY

If maintained properly, our tile can be enjoyed for a lifetime. However, we do not offer a warranty on our products. Follow installation directions and instructions closely to maintain the quality and longevity of your tile. We will help you every step along the way to ensure the end result is a beautiful installation that can be enjoyed for years.

SIZE GUIDE

MOSAICS	ACTUAL SIZE (MM)	SHEET SIZE (MM)	SHEET SIZE (IN)	COVERAGE (SF)
1 x 1	23.5 mm x 23.5 mm	300 mm x 300 mm	11.81" x 11.81"	0.97
1 x 2	25 mm x 50 mm	313 mm x 309 mm	12.33" x 12.16"	1.04
1 x 4	25 mm x 100 mm	313 mm x 305 mm	12.33" x 12.00"	1.03
2 x 2	50 mm x 50 mm	309 mm x 309 mm	12.16" x 12.16"	1.06
2 x 4	50 mm x 100 mm	309 mm x 305 mm	12.16" x 12.00"	1.01
3 x 3	75 mm x 75 mm	306 mm x 306 mm	12.04" x 12.04"	1.00

FIELD TILE	ACTUAL SIZE (MM)	SIZE (IN)	PIECES/SF
2 x 6	50 mm x 150 mm	1.97" x 5.91"	12
3 x 6	75 mm x 150 mm	2.95" x 5.91"	8
4 x 4	100 mm x 100 mm	3.94" x 3.94"	9
2 x 12	50 mm x 300 mm	1.97" x 11.81"	6
3 x 12	75 mm x 300 mm	2.95" x 11.81"	4
4 x 12	100 mm x 300 mm	3.94" x 11.81"	3

Size variation: $\pm 1/16"$ - there can be slight variation between production runs but all orders (with the exception of add-ons) will be run from the same batch.

- All mosaics are mesh-mounted unless indicated for a pool installation, in which case they will be face taped
- Tile is not modular