

Labyrinth

Inspection/Blending

Stone is a product of nature. Shade and other variations from submitted samples, as well as from piece to piece within your order, are a fact and should be expected. Careful blending of these tiles will promote a beautiful union between nature's variety and human design. Inspect all material prior to installation.

NO ADJUSTMENTS WILL BE MADE AFTER INSTALLATION

Sealing*

Labyrinth stone is pre-sealed with a urethane sealer. Sealing is NOT necessary for new installations. Installations subject to foot traffic and regular maintenance may require periodic re-application of the factory-applied sealer.

Substrates

The following recommendations refer to the Tile Council of North America's "2007 TCA Handbook for Ceramic Tile Installation" and are general in nature. When selecting a TCA handbook substrate preparation method, factors such as: sub-structure, sub-floor condition, location, specified setting material and intended use will determine the appropriate method.

Floors – Acceptable Substrates

- Slab on grade concrete – Cured a minimum of 28 days, TCA F111-07, F112-07, F113-07
- Elevated slabs, post-tensioned slabs or concrete slabs subject to deflection--Cement mortar bed TCA F111-07
- Wood sub-floors--Cement mortar bed TCA F145-07, TCA F141-07 or cementitious backer unit (CBU) TCA F144-07

NOTES: *Mortar beds must be well cured. Concrete slabs must be cured a minimum of 28 days. Floor systems shall be constructed in accordance to IBC (International Building Code) or applicable building codes. The weight of the tile, setting material and substrate shall be included in the load consideration.*

Walls – Acceptable Substrates

- Cement mortar bed (well cured) TCA W211-07, W221-07, W231-07, or W241-07
- Cementitious Backer Unit (CBU) TCA W244C-07, W244F-07
- Gypsum Board (Dry areas only) TCA W243-07

Wet Areas – Acceptable Substrates

- Cement mortar beds (well cured) – TCA B411-07 (tub enclosures) or TCA B414-07 (shower walls)
- Cementitious Backer Unit – TCA B412-07 (tub enclosures) or TCA B415-07 (shower walls)

Cautions:

- Labyrinth is not recommended for use on shower floors. See Possible Applications.
- Membrane meeting ANSI A108.2-3.8 must be installed BEHIND the mortar bed or CBU in wet areas.
- Do not install Labyrinth directly over waterproof membranes.
- CBU joints must be taped with the manufacturer's recommended 2" alkali resistant mesh tape.

Adhesive

Labyrinth should be installed with a white thin-set mortar or white adhesive, recommended by the manufacturer and listed on their container for installing light colored, natural stone tile. Mix and use per the adhesive manufacturer's instructions.

Installation

Install Labyrinth per ANSI A108.5-1999 [Reaffirmed 2005]. In dry locations, setting material shall make contact with not less than 80% of the tile back, with all corners and edges being fully supported. Coverage shall not be less than 100% in wet areas.

Grout

For grout joints measuring 1/16" to 1/8" use a non-sanded grout. For grout joints 3/16" to 3/8" use a standard grade sanded grout. Mix grout per the manufacturer's instructions. To ease the grouting process, apply a grout release agent. DO NOT mask the tile face. Masking tape may damage the stone's decorative stain during removal. Take care, while grouting, to avoid applying grout into the carved surfaces of the tile. Any grout in the carved areas should be removed immediately with a damp sponge.

CAUTION: Excessive water and wiping, during grouting, may damage the factory applied sealer and decorative stain.

Movement Joints

Movement joints are essential for the success of most tile installations. Follow recommendations on movement joints EJ 171-07 in the “2007 TCA Handbook for Ceramic Tile Installation”. Movement joint requirements will vary depending on substrata, climate and size of installation. An architect or design professional should be consulted when specifying the exact number and location of each movement joint.

Initial Cleaning

New stone installations require a thorough cleaning to remove substances such as construction dirt and grout film. The initial cleaning should be done with a pH neutral cleaner after the grout has been allowed to cure for 72 hours. Many stone suppliers sell stone soaps specifically designed for this purpose. Always follow manufacturer’s instructions when using stone cleaning products. In the absence of stone soap, a mild, pH neutral, liquid dishwashing detergent and warm water may be used.

CAUTION: Acidic and abrasive cleaners can damage stone surfaces and sealers. NEVER use products containing acid (lemon, vinegar) or scouring agents to clean your natural stone.

Routine Maintenance

Floors: Natural stone floors should be swept regularly with a clean, non-treated, dry dust mop. Mats or area rugs inside and outside exterior entrances can help reduce the tracking of abrasive materials, like sand, from the outside. Mats and rugs should have a non-slip surface on the underside. Any spills should be wiped up immediately, especially those containing alcohol or acidic liquids like citrus juice or coffee. Acidic liquids and cleaners can degrade sealers and damage the stone surface. When wet mopping is necessary use a pH neutral stone soap, recommended by the soap manufacturer for daily use, or a pH neutral, liquid dishwashing detergent and warm water. Rinse with clean water.

TIP: When wet mopping, change water frequently and use soaps sparingly. Too much soap and dirty water may leave a film or cause streaks.

Wet Areas

In showers and other wet areas regular maintenance is the key to longevity. Shower walls should be cleaned with a pH neutral cleaner and rinsed with clean water.

POSSIBLE APPLICATIONS

Variation is to be expected in the base stone as well as the pigments used in the patterns.

LABYRINTH	Use Locations		Labyrinth - Etched Stone		
	Walls	** Interior	◆	◆	◆
Exterior					
Floors	Interior	◆			
	Exterior				
Countertops	Kitchen				
	Powder Room	◆			
Submerged	Pools & Spas				
Usage Level		Residential	Heavy Residential	* Light Commercial	

* Labyrinth is not recommended for commercial applications that require chemical abrasion resistance.

** Labyrinth is recommended for walls with intermittent water exposure when installed a minimum of 24” above shower floors or a minimum of 12” above tub decks.