



# Application Manual

for

## Tivoli Stone Classic™

---

Tivoli Stone Classic can achieve many different looks. Following are some brief guidelines to achieve variety of textures. Remember that mixing and applying Tivoli Stone Classic correctly and to specification is critical but there is not a right or wrong way to texture the material. Just be sure to keep your application techniques consistent.

### **Smooth Travertine:**

Using a square trowel (5"x12" or larger) apply a uniform scratch coat on the substrate, about 3/16" thick. Do not worry about trowel lines unless they are greater than 1/8" tall. Let scratch coat set up until it is firm enough that the second coat will not drag or move first coat. Apply second coat with the same trowel at 3/16" thick. Spread very evenly, working to a wet edge. Using a large pool trowel (5"x14" or larger) knock down trowel lines by misting the surface with water from a squirt bottle (do not put too much water on the surface). Keep pool trowel clean by wiping with a sponge. Do not try to get surface to smooth, as grinder application will smooth out the texture.

If added color depth is wanted, broadcast Tivoli Stone Enhancer into wet Tivoli Stone Classic. This can be done with a drywall hopper gun or simply by throwing Enhancer with enough force that it sticks to surface. When throwing or shooting Enhancer, be careful not to stand too close to surface. Stand back 4 to 5 feet so aggregate does not land in a small pile on Tivoli Stone finish. The idea is to create a "shotgun" effect by throwing or shooting Enhancer randomly from a distance. If working on a horizontal area such as a floor, broadcasting Enhancer by hand is recommended. Spray or throw Enhancer immediately after texturing is complete. Make sure that surface is not so dry that Enhancer will not stick. Enhancer colors that work well are Dark Cedar, Umber, Caramel Yellow and Old Yellow. A dash of Salt & Pepper or Burnt Pink works well to give the finish more depth. Try not to use too many colors (it is best to stick with one or two). Too many colors make it hard to maintain consistency throughout the project. It is a good idea to measure the amount of Enhancer that you use for so many square feet of finish, and maintain consistency throughout the project.

The next step is to "grind" the surface with an angle grinder and a Makita AC120 grit Flex Wheel (see preparation of Flex Wheel). This is an important step in the process. Start grinding when you can barely press your fingernail into the surface. If the grinder is moving the finish around, it is too early. If there is a lot of dust when grinding, this is probably a little late. It is important that the grinding process stays consistent throughout the project. When working on vertical and detailed areas, a 7" angle grinder is recommended. When working on large floor applications, a larger grinder will work. The Flex Wheel should be flat enough that it does not dig into the finish. Do not move grinder around too fast, and grind in a figure-eight or circular motion. A flat 20-square-foot area should take approximately five minutes to grind. Grinding is not required, but it will give the finish a more realistic, cut stone look.

---

---

The next step is to cut the grout joints in the product to make the finish look like blocks or tile. This is done by using a flat head screwdriver and a straight edge of some type. It is best to cut as soon as you are done grinding. Cutting the product while the finish still has a lot of moisture in it will create larger joints. If the finish is set hard, it is difficult to cut and will lead to smaller joints. When cutting on vertical wall, use a level.

### **Rough Travertine:**

This application is the same as the application for smooth travertine, except you will not use the pool trowel to smooth out the finish. When grinding the product it is important to remember to grind the finish uniformly.

### **Smooth Marble:**

The application to create smooth marble is identical to the application of smooth travertine, with the exception of how the Enhancer is applied. Marble has veins, and veins are created by placing the Enhancer in curved lines in such a way that they emulate the veins in natural marble. This process is much easier on a horizontal surface, and can be done by throwing the Enhancer by hand. Another method is to cut veins (1/4" to 1/2" wide) through a piece of sheet metal or cardboard. Hold the sheet metal close to the wet finish or lightly lay it directly on the surface, and use a drywall hopper to shoot Enhancer through the sheet metal from 2' away. Make sure that you have a few different veins cut in different pieces of cardboard so your veins are not repeated throughout the surface. Darker Enhancers such as Black, Oxblood, Salt & Pepper, Burnt Pink and Verde Green work the best. When the finish is setting, it is a good idea to hard trowel the surface (slightly imbedding the Enhancer) and overlap colored veins with some of the finish. Grinding is recommended in this application to burnish the finish which will give it a realistic look.

### **Smooth Limestone:**

Limestone has many different looks and Tivoli Stone Classic will achieve most any limestone appearance. The application to achieve a smooth look will be similar to the travertine and marble applications. Enhancer can be used but it is recommended that a small amount be used if any at all. If Enhancer is used it should be shot or thrown from 8+ feet away. Grinding the product will give the appearance of cut stone, if that is the desired look.

### **Cut Limestone:**

The application for this finish is the same as application for smooth limestone, except you will not use the pool trowel to smooth out the finish. When the finish is setting to achieve a cut look, "back trowel" the finish by scraping with the edge of your trowel. If grinding the product it is not very important to grind uniformly.

---

---

**Carved Limestone:**

With this application it is recommended that the Tivoli Stone Admix is mixed 1:1 with clean potable water. This will not jeopardize the quality of the product, but will make it easier to carve. Apply the finish with a trowel, margin trowel or simply with your hands in multiple coats or lifts. It is important that the first coat is bonded very well. Depending on the viscosity of the mix, Tivoli Stone Classic can usually be applied in 1/2" lifts. The second lift can be applied as soon as the first lift has set up enough to hold the second lift and, so on. Apply enough material so when carving it is not necessary to add more material to achieve the finished carved product. Only apply material where necessary. If finished product is thicker than 2", this application might take two days to allow the product to set enough to achieve the desired thickness. Start carving as soon as the finish is set enough that material is not "dragging". Use a margin trowel, chisel, knife, razor blade, screw driver or anything sharp enough to carve material. It is important not to put more material on the wall than you will have time to carve. Remember, icing down the acrylic will retard the mix.

---