

## Do's & Don'ts for Acid Staining Concrete

- Make sure that the concrete slab is a good candidate to “accept” an acid stain
- To check, perform a simple “water test” by applying water with a sprayer to see if it will absorb into the concrete surface within 15-30 minutes. If it doesn't, there could be a variety of issues that could be preventing the stain from taking. (Curing compounds, sealers, or sometimes an extremely dense surface)
- If the water does not absorb into the concrete surface, here are a few steps that will need to be done to allow this to happen:
  - If a curing compound or sealer is present, remove with a chemical seal stripper like Legacy Eco-Strip
  - If the slab is extremely dense, use Legacy Fresco Stain Profiler 1 to relieve the surface tension in the slab so that it will allow the stain to penetrate
  - You may also perform a very light “Mechanical grind” on the floor with a diamond grinder to remove any of those products that would prevent the stain from penetrating
- Once slab has been opened and cleaned, apply the stain at 200 sq ft per gallon with an “all plastic-parts” sprayer with a “cone tip” using a circular motion.
- Some colors require several hours to react to achieve its color. So don't “over apply” the stain if you don't see color immediately.
- Over application of stain will result in a tremendous amount of residue that will require intense labor and be more difficult to remove.
- If a second application is needed, follow the same application procedure as above and you will not need to clean between coats.
- Allow the stain to react overnight.
- The following day, remove and clean the residue using a neutral pH detergent soap. Once removed, perform a complete water rinse.
- To make sure all residue is removed, perform a “white rag” test and wipe the floor, if residue is still present, continuing cleaning until nothing appears on the white rag.
- Vacuum up all water and allow the slab to dry 24-48 hours depending upon temperature conditions.
- Apply 2 “thin-coats” of Sealer using the appropriate Legacy Sealer (based on Residential or Commercial foot traffic)
- Allow Sealer to dry over night and then apply 2-3 coats of Legacy Floor Wax. This will be your sacrificial wear surface (not the sealer).