

# ENDURABLE CONCRETE STAIN

## TECHNICAL DATA SHEET

ENDURable Concrete Stain is a specially formulated non-reactive semi-transparent stain that will penetrate and color most porous surfaces. It can be mixed in water, acetone, or denatured alcohol. It is a low VOC product with no odor and cutting edge technology to bring you the smallest particle size available in a concrete stain to allow the greatest penetration.

You may mix the stain into your choice of carrying agent with a drill and paddle or simply pour together and shake vigorously. It is highly recommended to always perform test areas to find the desired look you are trying to accomplish. It is also recommended to follow the surface preparation instructions indicated in the application instructions below.

It is ideal for exterior use as it is UV protected and will not fade in the sun.

It is packaged as a liquid concentrate. Mottled looks similar to acid stain applications can be accomplished with application techniques.

Application of a sealer is required and possible immediately after the stain is completely dry.

The shelf life in concentrate form and mixed form is undetermined, but at minimum 8 years. The product comes in a concentrate that makes 1 gallon and also a concentrate that makes 5 gallons.

**The surface must be dry prior to application. If there is a cure & seal present, you must use acetone as the carrying agent to penetrate the cure & seal.**

Application is easiest with a pump sprayer with a conical tip. Tip size of .05 to .15 gpm at 40 psi is recommended to reach coverage rates of 400-600 s.f. per gallon.

There may be residue left on the surface, most notably when the carrying agent is acetone, and when applied to a surface that has low porosity. You may wish to remove the excess residue with a white buff pad when working on a flat surface, but not necessary on broom-finished concrete. Seal with ENDURABLE SEALER OR ENDURABLE F1 SEALER.

The coverage rate is between 400-600 square feet per gallon. A light coat is recommended as the stain will go far applying too heavy will result in excess residue and it will lower your coverage rate.

**APPLICATION INSTRUCTIONS: ALWAYS PERFORM TEST AREAS. CONCRETE MUST BE DRY. SHAKE OCCASIONALLY DURING APPLICATION TO KEEP COLOR IN SOLUTION**

Determine if the concrete is porous with a simple water test. If the water drops in and darkens the concrete immediately, then prep may not be necessary. If the surface is a troweled surface, you may need to mechanically grind, sand, or chemically etch the concrete to open the pores for better penetration of the stain. If there is a sealer present and in good condition, you may put a drop of acetone on the surface and rub with your finger to determine if the stain will penetrate when mixed in acetone (surface will get sticky or tacky when you rub, if it can be penetrated with acetone.) Water is not recommended when applying to overlay systems that are commonly high in polymer. The water will often raise the polymers to the surface. Using more than one color will often help to achieve a beautiful mottled look. After the stain is applied there may be residue that can be removed by buffing the floor. If you do not wish to buff the floor, you may want to wear booties to keep from leaving footprints in the residue. After the stain is dry to the touch, seal with ENDURABLE SEALER OR ENDURABLE F1 SEALER. The concrete should be free from contamination. It is recommended to determine if the concrete needs to be cleaned with a concrete cleaner or pressure washed at approximately 2000 psi. (If fungus is present in the concrete, you should clean with a fungus killing product and then pressure wash.) Use a listed carrying agent.

Always be cautious with flammable carrying agents. Extinguish all ignition points and use approved respirators when applicable.

Important notice to purchaser: You must evaluate and determine whether this product is suitable for your intended application. Since conditions of product use are outside of our control and vary widely, the following is made in lieu of all express or implied warranties of merchantability. Our only obligation and your only remedy is replacement of product, at the option of HDIP INC. In no case will HDIP INC. be liable for any direct, indirect, special, incidental, or consequential damages including lost profits, goodwill, or business opportunity.