

KLEEN STAIN™

Water Base Concrete Coloring Stain



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PRODUCT / APPLICATION GUIDE

PACKAGING

KLEEN STAIN™ 1 gal. jugs

DESCRIPTION

KLEEN STAIN™ is a safe alternative to common acid stains. It contains no hazardous components, yet produces the mottled, variegated look associated with chemical (acid) stains used in decorative concrete. NO safety equipment is required and no special spiked shoes. Rubber gloves may be worn to prevent the color from staining cuticles, and it is always recommended to wear goggles when using a sprayer.

ADVANTAGES

The greatest advantage of KLEEN STAIN™ is that the color is "built-up" with no need to wait for a chemical reaction to take place. No "surprises" await when returning to the jobsite to check on the color development. The technician never leaves the jobsite, unless it is for a couple of hours while the KLEEN STAIN™ completely dries before the application of KLEAR GARD SB or WB™. There is no neutralizing of the surface, no ammonia water, no double or triple rinsing, no additional dry time. KLEEN STAIN™ can be completed in a matter of hours, not days.

PREPARATION

If the concrete surface does not repel water and is not a really hard troweled surface then little or no prep work is required. Any previously applied sealer, paint or other oil-based product must be removed. If the surface is such a hard troweled surface that KLEEN STAIN™ can not penetrate, then light sanding or light acid etching should be performed to "open up" the surface. Hydrochloric or phosphoric acid is preferred; muriatic acid tends to leave a yellowing of the surface. Acid containing masonry cleaners may also be used. To test, just apply a small amount of KLEEN STAIN™ to the surface and leave for a couple of minutes. If the KLEEN STAIN™ doesn't soak into the surface and wipes up leaving little or no color, then the surface needs to be prepped by sanding or acid etching. The surface needs to be swept and cleared of debris and dust.

APPLICATION

KLEEN STAIN™ can be sprayed, squirted, mopped, painted or rolled. Care must be taken to avoid or cover up straight lines associated with rolling (unless straight lines are desired).

KLEEN STAIN™ color is built-up and may required repeat applications, depending upon the porosity of the concrete. It is not recommended for use on extremely porous substrates (concrete block or "just floated and broomed" surfaces).

When using a single color of KLEEN STAIN™, the first step is to apply completely over the entire surface. A single color, in a single application, achieves mottling by the varying degree of porosity within the surface of the concrete. Additional "acid" effects are achieved through further applications, either in complete coverage or random, haphazard applications. Further applications depend upon desired look and porosity of the concrete.

- When using multiple colors, apply the lighter colors first.
- Yellow can be applied over red to "orange" it up a bit.
- White can be applied first, either in complete coverage or randomly, which results in more extreme mottling and a broader range of colors. The white base coat allows for brighter, more vibrant, colors.
- The White KLEEN STAINS™ are of heavier pigment loading and care is recommended when applying white over other colors, as the white may be too overbearing. The white also shows settling, so keep product shaken or stirred.
- Each coat contributes a little "primer effect" to the successive coat. Meaning that each additional coat may take longer to dry, and the latter application may be more pronounced. This depends upon the color and "density" of application (Black overrides red, red overrides yellow)
- The colors can be mixed in any fashion. They can be mixed together before application, and will actually "separate" a little to produce mottling by slightly different colors. More control and distinct colors is achieved by building on color on top of the other.
- Spraying to some saturation (even puddling), followed by blotting or swirling with a mop has produced some attractive results.
- The edges of puddles will leave very distinctive veining, upon drying.
- If white is mixed with other colors, it penetrates faster, so "mopping" a puddle may actually turn out lighter than surrounding areas.
- If some areas of the substrate are to be discovered to be much more porous than others, spend time and product on these areas, before finishing the entire job.
- It is recommended to wear "Tyvek" booties or sock

feet when traversing previously covered areas.

CLEAR SEALING

Follow the manufacturer guidelines. Remember a water-based product has just been applied and different sealers have varying tolerance to additional moisture. The drying of KLEEN STAIN™ can be promoted by any means, not to exceed 200degree F. KLEEN STAIN™ leaves an inert pigment upon drying. Slight residual material at the surface is acceptable; it will be incorporated into the sealer and bonded to the surface. However, "WHITE" KLEEN STAIN™ should be completely dry and checked for residue if the sealer is being applied by any other means than spraying. The "WHITE" can be picked-up and transferred by some sealers, especially if rolled to "tackiness". If this transference of color is taking place, STOP! Additional drying time is probably needed. Switching to a sprayer for the first coat of sealer is another option. A lower solids level for the first coat of sealer is a third remedy.

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