

Smith's
CLEANER & TOUGHENER
CT-8
APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. These instructions should be followed closely to obtain the maximum service.

AREA PREPARATION: Tape and mask aluminum as CT-8 will react with this metal.

SURFACE PREPARATION: The surface preparation phase of "Staining a Concrete Floor" should be viewed as the most important. Proper floor preparation results in the installation's longevity, minimizes potential failures and creates the best environment for an aesthetically pleasing work of art. In short, the more detail and time allotted to this phase of the project will dramatically affect the appearance and durability of the finished floor.

The surface must be free of all foreign materials that would inhibit the absorption and adhesion of Smith's Color product lines. Foreign materials include, but are not limited to grease, dirt, glue, previous coatings, and sealers.

Smith's Cleaner & Toughener, "CT-8" is a dual purpose product designed for the preparation of concrete surfaces to receive Smith's Color Floor. Initially, CT-8 acts as a detergent to clean the concrete surface. Secondly, CT-8 toughens the surface of the concrete by interacting with weak spots created by un-reacted calcium hydroxide.

Application:

- 1) Dampen the substrate with water.
- 2) Apply Smith's Cleaner & Toughener CT-8 solution liberally to an area of approximately 10 feet x 10 feet. The surface must be kept damp to achieve optimal cleaning. Using a floor buffer with a Mal-grit brush (smaller areas) or an auto-scrubber with a Mal-grit brush (larger areas), scrub each wetted portion of the floor thoroughly using a cross hatching pattern. As the scrubbing of each area is completed, wait at least 10 minutes, but not more than 30 minutes, before rinsing. Always keep CT-8 and substrate damp during the cleaning process.
- 2) Rinsing is a very important step in the process. Scrubbing has loosened dirt and concrete particles which need to be completely removed. Flushing the surface can be accomplished by using a power washer* with parallel overlapping line pattern. For interiors, flush the substrate with water while agitating with a floor buffer (small areas) or auto-scrubber (large areas) with squeegee bar down. Utilize a Mal-grit brush in order to clean the pores of the concrete. Continue this process until extracted rinse water is clean.
- 3) Allow the area to surface dry before beginning the application of Smith's Color Accents or Smith's Color Floor.

*Power wash = 0 degree rotating nozzle with 12,000 work units (Work Units = Gallons per Minute x PSI)

Tape Test

A tape test will help determine the effectiveness of the cleaning process. After the floor has been thoroughly scrubbed, rinsed and allowed to dry; apply several 1 foot strips of high quality 2" clear packaging tape to various locations on the floor. Aggressively press the tape onto the floor with the heel of your hand. After approximately 5 minutes pull it off of the floor as vigorously as possible. Examine the adhesive layer in a bright light looking for residue that was pulled from the floor. Little to no dust or other foreign particles should be visible. Areas with visible foreign material need to be scrubbed and rinsed again until the surface is free of these contaminants.

DILUTION / MIXING: Smith's Cleaner & Toughener, CT-8 is supplied as a powder. Dissolve 1 cup of CT-8 powder into 1 gallon of water. Warm water will help the powder to dissolve quickly.

APPLICATION DIRECTIONS:

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>	<u>Humidity</u>
Best	60-90°F	65-85°F	65-90°F	10-60%
Minimum	45°F	45°F	45°F	0%
Maximum	105°F	110°F	110°F	80%

Surface must remain damp in order for CT-8 to be effective. If CT-8 dries, all the contaminants and inhibitors that were in suspension are now on the surface of the substrate. The cleaning process has been compromised and should start from the beginning.

APPLICATION METHOD:

Dissolved Powder: Apply liberally to substrate with watering can.

Broadcast: CT-8 powder onto dampened surface.

CLEAN UP: CT-8 is biodegradable but should not be discharged as a powder or an undiluted cleaning solution directly into streams, ponds, lakes, etc

