

## Product Information

**Generic Type:** Powder concentrate cleaner

**General Properties:** CT-8 is a dual purpose product designed for the preparation of exterior textured concrete surfaces to receive Smith's Decorative Concrete Products including Color Floor, Color Wall and Color Accents. Initially, CT-8 acts as a detergent to clean the concrete surface. Secondly, CT-8 toughens the surface of the concrete by interacting with the weak spots resulting from un-reacted calcium hydroxide. CT-8 is recommended for the surface preparation of exterior textured concrete.

- Aggressive Cleaner
- Strengthens concrete substrates
- Biodegradable
- Non-corrosive
- Low Odor
- Overnight Deliverable — no Red Label

**Recommended Use:** Preparation of exterior textured concrete surface for the application of Smith's Color Floor, Color Wall and Color Accents.

**Not recommended for:** Surface preparation of smooth troweled substrates as well as coating removal including paint, sealer and other film forming products.

**Color:** White powder

**Solids Content:** Smith's Cleaner & Toughener, CT-8 100% By weight

**Recommended Film Thickness per Application:**

Liberally apply allowing product to puddle. Must remain damp to stay active.

**Coverage per Gallon:** 250 square feet  
 Note: Coverage depends on surface porosity, pro,le and application method.

**Storage Conditions:** 40-90°F

**Shelf Life:**

<b>Unopened Container</b>	<b>2 year</b>
<b>Opened Containers</b>	<b>2 months</b>

**Ordering Information:**

Prices may be obtained from Smith Paint Products, Sales Representative or local Smith's Decorative Concrete Products Dealer.

**Approximate Ship Weight:**

	<b>Quart</b>	<b>2 gal</b>	<b>5 gal</b>
<b>Smith's Cleaner &amp; Toughener</b>	<b>2 lbs</b>	<b>16 lbs</b>	<b>45 lbs</b>

**Flash Point:**

Smith's Cleaner & Toughener >212°F (100°C)

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## 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:** Be sure to 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 product'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.

- 1) Remove paint, adhesives and loose particulates from the intended application surface.
- 2) Dampen substrate with water
- 3) Liberally apply Smith's Cleaner & Toughener, CT-8 solution to a 10 feet x 10 feet section of the substrate. The surface must be kept damp to achieve optimal cleaning.
- 4) Using a floor buffer with a Mal-grit brush, scrub the treated area thoroughly using a cross hatching pattern.
- 5) After the scrubbing of each area is complete, allow the CT-8 to dwell on the substrate for at least 10 minutes, but not more than 30 minutes. Always keep CT-8 and substrate damp during the cleaning process
- 4) Rinsing is a very important phase in the process. Scrubbing has loosened dirt and concrete particles which need to be completely removed. Utilizing a 12,000 work units\* pressure washer in conjunction with a 0 degree rotating tip, remove the CT-8 with overlapping line patterns. Continue to flush and agitate the substrate until the CT-8 has been removed
- 5) Allow surface to dry.
- 6) Perform a "Tape Test".

\* 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. Fold one end of the tape into itself and 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 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 CT-8 powder to dissolve quickly.

### Application Directions:

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

Note: 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 intended application area. The cleaning process has been compromised and should start from the beginning.

### Application Method:

*Dissolved CT-8* - Liberally apply to substrate with a watering can.

*Broadcast* - CT-8 powder onto dampened surface.

**Clean Up:** Immediately clean up work area and tools with water. CT-8 is biodegradable, but should not be discharged as a powder or undiluted cleaning solution directly into streams, ponds, lakes, etc.

