

Engrave-A-Crete, Inc.

Technical Data Sheet (TDS)

Ten Second Color™ (TSC) Stain

Product Use

This product should only be applied to **fully cured concrete**. Allow **28–45 days** of cure time after placement to ensure complete hydration.

Ten Second Color (TSC) Dye produces a beautifully mottled, acid-stain-like appearance with a dry time of **less than one minute**. Colors may be layered for blending, or mixed to create custom shades. **Not recommended for polishing.**

Coverage & Dilution

Standard dilution produces the intended color strength. For a **lighter, more translucent effect**, you may add **up to 5× the amount of acetone** beyond the standard mix.

- **One quart** of TSC Dye covers approximately **100–150 sq ft (Increases with higher dilution)**
- **One gallon** covers approximately **400–600 sq ft (Increases with higher dilution)**

Coverage varies based on **surface porosity, concrete condition, and application rate**.

Safety

Always wear appropriate safety equipment including goggles, face shield, chemical-resistant gloves, protective clothing or apron, and a chemical respirator. Consult the product SDS for additional safety information.

Surface Preparation

Concrete must be **clean, open, and porous**. Perform a scratch test to ensure the surface is not dusting or deteriorating.

Approved preparation materials:

- **CR-580 Degreaser** – Removes oil and grease
- **CR-590 Paint & Sealer Remover** – Removes paints and sealers
- **CR-765 Surface Prep & Etch** – Opens pores and removes laitance (if not mechanically opening the concrete)
- **CR-585 Surface Neutralizer** – Balances pH after etching

Preparation Steps

Step 1: Remove paint/sealer using CR-590 if needed. **Step 2:** If oily/greasy OR if CR-590 was used, scrub with CR-580 Degreaser. **Step 3 (REQUIRED):** Open the pores mechanically (grinding, black pad, sanding screen, coatings removal pad for interior; pressure washing for exterior) **OR** apply CR-765 Surface Prep & Etch diluted **4:1 (water:etch)**.

- Scrub with stiff bristle broom

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- Rinse when fizzing stops
- Do **not** allow solution to dry on the surface
- Repeat if additional porosity is needed Interior floors should feel similar to **120-grit sandpaper**

Step 4 (REQUIRED if acid etching): Apply CR-585 Surface Neutralizer (8 oz in 5 gallons water). Scrub thoroughly, then rinse. Dispose of wastewater per local regulations.

Step 5: Allow surface to dry completely. Vacuum thoroughly to remove all dust.

Color Testing

Apply TSC Dye in an inconspicuous area using the same method planned for the full installation to verify color.

Mixing Instructions

ACETONE MUST BE ADDED TO DYE

Standard dilution produces the intended color strength. For a **lighter, more translucent effect**, you may add **up to 5× the amount of acetone** beyond the standard mix.

- **32 oz container:** Add **32 oz acetone** to the under-filled jar of TSC Dye
- **1-gallon container:** Add **1 gallon acetone** to the 1-gallon TSC Dye container (24oz of pigment)

Stir well to fully disperse dyeing agents.

CAUTION: Acetone is **highly flammable**. Do **not** use electrical equipment during mixing. Refer to MSDS for exposure limits and safe handling.

Application

Concrete must be **clean and dry**.

- Apply using a **cone-tip pump sprayer** compatible with acetone or Concrete Resurrection Recharger Variable Mist Sprayer
- Hold sprayer tip ~24 inches from surface
- Spray in a uniform circular motion
- Avoid puddling
- Proper application leaves the surface wet for only a few seconds
- TSC Dye may also be applied with brush, roller, or HVLP equipment

Residual dye may remain on the surface after each application. **Vacuum loose dye** before sealing. **Do NOT use water** to remove loose dye.

Protect surroundings with masking paper or plastic.

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Sealing

A clear sealer is strongly recommended for **abrasion resistance** and **UV protection**. Use a **non-skid additive** for exterior surfaces.

Apply a **low-viscosity, sprayable sealer** using the sprayer/tip recommended for that product. If rolling, avoid overworking the sealer to prevent dye reactivation.

Floor Finish

Allow sealer to dry and cure for **3–4 days** before applying floor finish. Follow manufacturer instructions for application.

Storage & Shelf Life

Unopened product shelf life: **approximately 2 years**.

Variances

Concrete color, texture, porosity, and slab characteristics will affect final appearance. More transparent colors will reveal more of the slab's natural variation.

Warranty

This warranty is made in lieu of all other warranties, expressed or implied. User must determine suitability for intended use and assumes all risks. Manufacturer/Seller warrants replacement of defective material only. Claims must be submitted in writing within **one (1) year** of shipment. Manufacturer/Seller is not liable for injury, loss, or damage resulting from use.

Ordering

Engrave-A-Crete **1-800-884-2114** www.ConcreteResurrection.com www.Engrave-A-Crete.com