

# CONCRETE STAIN & SUPPLY, LLC

## Technical Data Sheet (TDS) for RAC Stain

\*\*This product may only be used on fully cured concrete. Allow a minimum of 28-45 days of cure time after the concrete is poured to allow ample time for the concrete to completely hydrate.

**Safety**– Always use appropriate safety equipment including but not limited to, goggles, face shield, rubber gloves, chemical resistant clothing or apron, and chemical respirator. Do not permit contact with eyes or skin. Do not breathe vapors, ventilate area during mixing and application. Consult product MSDS for additional safety information.

**Coverage**–Amount of square footage stained per gallon varies with the surface texture of the concrete, temperature of the concrete and ambient conditions. Average coverage rate is 100-200 sq ft per gallon.

**Surface Preparation**- Scratch test the concrete to verify the top surface is not dusting or disintegrating. Concrete must be clean and free of all dirt and contaminants. Concrete floors must be open and porous prior to applying RAC Stain. Approved materials for the cleaning and preparation process are as follows:

- CR-580 Degreaser – Used for the removal of oil and grease.
- CR-590 Paint & Sealer Remover – Used to remove paints and sealers.
- CR-765 Surface Etch & Prep – Used for laitance removal and opening of pores of the concrete.
- CR-585 Surface Neutralizer – Used to balance the surface pH after application of Surface Etch & Prep

Step 1: If needed remove all paint and/or sealer from the surface using CR-590 Paint & Sealer Remover

Step 2: If the surface has an oily or greasy film OR if CR-590 Paint & Sealer Remover was used, scrub the surface using CR-580 Degreaser.

Step 3: (Necessary step if: (1) working with a very smooth power troweled interior floor or (2) when a slab has a significant amount of surface laitance.) Apply CR-765 Surface Etch & Prep at a dilution ratio of 10 parts water to 1 part Surface Etch & Prep scrub in with a stiff bristle broom. When the fizzing action stops, rinse the surface with water. Do not allow the Surface Etch & Prep solution to dry on the concrete. If a more porous surface is needed repeat Step 3. Next apply CR-585 Surface Neutralizer (dilution of 8 oz in 5 gallons water) using a stiff bristle brush or broom to scrub in the neutralizing solution, then rinse with water.

Step 4: Thoroughly scrub the surface. Interior floors require the use of a floor machine (buffer) with a black pad, sanding screen or coatings removal pad. Exterior concrete preparation requires the use of a pressure washer.

Step 5: Apply RAC Stain. Equipment that comes in contact with RAC Stain must be constructed of plastic or other non-corrosive material. RAC Stain can be applied using a plastic pump sprayer, mop, brush, rag, or sponge. Wash equipment thoroughly after use with water.

**Dilution**- For lighter shades of colors, RAC stain can be diluted with CR-645 RAC Stain Color Extender.

Step 6: Allow a minimum of 4 hours reaction time after final coat of stain to achieve maximum coloring effects.

Step 7: (REQUIRED) Neutralization– CR-585 Surface Neutralizer (8 oz in 5 gallons water) is used to neutralize the acidity of the concrete caused by the RAC stain. A stiff bristle brush or broom should be used to scrub in the neutralizing solution. Use a wet vacuum to collect residue and waste water.

Step 8: Residue Removal

- Interior floors - Required minimum residue removal method is scrubbing using a floor machine (buffer) with a nylon bristle brush or white pad. Use a wet vacuum to collect residue and waste water. Dispose in accordance with local, state, and federal regulations.
- Exterior surfaces - Required minimum residue removal method is pressure washing. Use a wet vacuum to collect residue and waste water. Dispose in accordance with local, state, and federal regulations.

**Caution**– Residue runoff can stain and discolor unprotected concrete, buildings and landscape features. It may also cross contaminate previously applied colors.

\*\*\*Dispose all waste water in accordance with local, state, and federal regulations

Step 9: Sealing– It is strongly recommended that a clear sealer be applied as a top coat for abrasion and UV resistance. It is recommended that a non-skid / skid reducer be utilized when sealing exterior surfaces.

### **Special Considerations**

**Color Test**- Apply a test sample of the stain in an inconspicuous area of the floor to verify color. It is advised to use the same application method for the test spot as what is planned for the entire floor.

**Color Change**- The use of CR-607 Olive Mist, CR-608 Azure Sky, CR-609 Mossy Oak and CR-610 Summer Wheat on concrete which has no vapor barrier underneath (typically exterior concrete slabs) have the risk of partially or completely turning black when excessive amounts of moisture migrate from underneath the slab to the top surface.

**Color Variances**- Results may vary from color chart due to differing compositions, texture and age of the concrete. Many characteristics of the concrete will show through the stain.

**Warranty**– This warranty is made in lieu of all other warranties, either expressed or implied. Before application the User shall determine the suitability of the product for his/her intended use and User assumes all risks and liabilities whatsoever in connection therewith. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The Manufacturer and/or Seller warrants that if any goods supplied prove defective in material the sole obligation shall be to replace said product. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither Manufacturer nor Seller shall assume any liability for injury, loss, or damage resulting from use of this product.

**WARNING! CORROSIVE:** Causes skin and eye burns. Harmful if swallowed or inhaled. Causes severe eye irritation with possible blindness. Vapor and mist causes irritation to nose, throat, and lungs. Always use proper safety equipment. Consult MSDS for additional chemical and safety information.

**DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**

### **FIRST AID**

Skin - Wash thoroughly with soap and water. Discard affected clothing and footwear.

Eyes - Flush with water immediately. Hold eyelids apart while flushing material out thoroughly with large amounts of water.

Seek Medical Attention Immediately!

Ingestion - Give several glasses of water or milk. Seek Medical Attention Immediately!

Inhalation - Move to fresh air.

**WARNING**– Detectable amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in the material. Proposition 65, California Health and Safety Code Section 252495 es.seq.

Close container immediately after each use. Store upright in a tightly closed container away from combustible material and sources of heat. Never transfer to an unmarked container. Do not reuse empty container, empty containers may contain hazardous product residues. Before use, review the Material Safety Data Sheet for further information, including health effects.

**ORDERING**– To Order, contact Engrave-A-Crete at 1-800-884-2114 • [www.ConcreteResurrection.com](http://www.ConcreteResurrection.com) • [www.Engrave-A-Crete.com](http://www.Engrave-A-Crete.com)

Manufactured by Concrete Stain & Supply, LLC