

# CONCRETE STAIN & SUPPLY, LLC

## Technical Data Sheet (TDS) CR-WRC 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.

### Description

Concrete Resurrection Water Reducible Concentrate (CR-WRC) is an environmentally friendly (and California compliant) penetrating waterborne acrylic pigmented dye stain. A superior alternative to hazardous solvent and acid based stains. CR-WRC is designed to give predictable natural variegated colors or predictable bright solid colors. A one step staining process, there is no residue to neutralize and scrub off. CR-WRC can also be used for faux finishing, changing hues, or correcting errors after acid staining (surface must be cleaned and neutralized prior to application). For interior and exterior concrete, horizontal or vertical.

### Uses

CR-WRC may be used to achieve faux finishing effects such as marbling, veining, antiquing, mottling, graining, and layering. CR-WRC can also be applied in multiple coats to achieve a solid opaque color. Differing colors can be layered over the top of each other for a color blending.

CR-WRC also allows the applicator to make custom colors by mixing different concentrate colors together.

### Coverage

One quart CR-WRC yields 1.25 - 2.25 total gallons of “ready to use” stain.

CR-WRC covers 100-500 sq ft per gallon. Coverage variations depend on concrete surface porosity and amount of material applied.

### Mixing

Shake well before using

Use only *distilled* water for mixing.

Add 4 - 8 parts distilled water into an appropriate mixing container, then add 1 part CR-WRC. Mix thoroughly.

### Application

When spraying CR-WRC protect surroundings with masking paper or masking plastic. Always use a filter when pouring the “ready to use” CR-WRC into a sprayer.

CR-WRC can be applied to dry or slightly damp concrete.

Concrete slabs must be a minimum 30 days old .

Tools that can be used for application of CR-WRC:

- Gravity feed HVLP sprayer (preferred)

- Pressure pot HVLP sprayer

- Airless sprayer

- Pump sprayer

- Cotton Rag

- Natural Sponge (sea sponge)

- Manufactured sponge

- Roller

- Brush (bristle or foam)

Concrete surface temperature must be between 50 -90 degrees.

It is acceptable to apply CR-WRC to damp concrete. In arid climates it may be necessary to dampen the concrete prior to application of stain to prevent the material from drying instantly. In order to penetrate the stain must have several minutes of “wet” time on the surface.

## **Surface Preparation**

Concrete must be clean and free of all dirt and contaminants.

Concrete floors must be open and porous prior to applying CR-WRC.

Oil and grease must be removed prior to stain application using Concrete Resurrection Degreaser. Paint and or sealers must be removed prior to stain application using Concrete Resurrection Sealer/Paint Stripper

Interior floors:

Required minimum preparation is scrubbing using a floor machine (buffer) with a black pad or sanding screen.

Exterior surfaces:

Required minimum preparation is pressure washing.

## **Drying Time**

Drying time is dependant upon temperature and humidity.

Dry to touch / recoat 15 -30 minutes

Light foot traffic 1 hour

Full usage after final coat of clear sealer is cured. (consult clear sealer manufacturer's specifications for full cure times)

## **Clean Up**

Tools can be cleaned with water and/or soapy water.

## **Sealing**

A minimum of 24 hours of drying time (after the stain has dried to the touch) is required before applying a clear sealer to the surface at exterior conditions 70-80 degrees Fahrenheit with 75% relative humidity. In more humid conditions and or cooler temperatures, additional time is required for complete curing (allow an additional 4 hours).

It is strongly recommended that a clear sealer be applied as a top coat for abrasion and UV resistance.

Sealer types:

Solvent based acrylic (preferred) – exterior use only

Water based Acrylic

Epoxy

Urethane

It is recommended that a non-skid/skid reducer be utilized when sealing exterior surfaces.

## **Storage and Shelf Life**

Do not allow to freeze. Shelf life of unopened product is approximately one year. Mixed or diluted product shelf life stored in an airtight container is 30 days.

Use a water absorption test to determine the concrete's willingness to accept the CR-WRC stain

## **Variations**

Results may vary due to shades and or hues of concrete. Texture of the slab affects final color appearance. Many slab characteristics show through the stain, especially with the more transparent colors

## **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.