



# TUFFCRETE®

## WB ACRYLIC WATERPROOFING CONCRETE STAIN CST-2XXX

### Features

- Waterborne Acrylic Stain For Interior or Exterior Masonry Surfaces
- Nonfading Formula That Applies Easily
- Scuff and Abrasion Resistant
- Retards Spalling and Dusting
- Rugged, Durable Coating
- Smooth, Satin Finish

### Recommended For

TuffCrete® 100% Acrylic WB Concrete Stain forms a tough, durable film on most interior or exterior masonry surfaces. It may be applied to concrete walls, balconies, patios, pool decks, basement floors, or concrete columns. Apply one coat for a stain look and two coats as an opaque finish.

### General Description

TuffCrete® WB Acrylic Waterproofing Concrete Stain is a water reducible coating designed for interior or exterior masonry surfaces. It may be applied in one coat as a stain, or in two coats as an opaque finish. An ideal choice for either vertical or horizontal masonry surfaces. This product is available in clear, white, ready mixed colors, and a full range of tinting bases. Not for immersion service.

### Limitations

- Do not apply in direct sunlight or on hot surfaces.
- Do not apply if the surface or ambient temperature is below 50°F (10°C) or more than 90°F (32.2°C).
- NOT RECOMMENDED for driveways, garage floors, heavy industrial floor applications, exterior wood surfaces or for other surfaces that will be exposed to vehicular traffic.

### Product Information

#### Colors — Standard:

CST-2100, Clear	CST-2505, Tile Red
CST-2110, White	CST-2789, Pine Green
CST-2308, Gray Pearl	CST-2922, Desert Sand
CST-2310, Light Gray	CST-2998, Saddle Brown

#### — Tint Bases:

Deep Base (CST-2112), Neutral Base (CST-2190)  
Tint with Universal Colorants Only

#### — Special Colors:

Contact your dealer.

#### Certification:

The products supported by this data sheet contain a maximum of 250 grams per liter VOC/VOS (2.09 lbs. /gal.) excluding water and exempt solvents.

This product is compliant under the Ozone Transport Commission regulations as a Waterproofing Concrete and Masonry Sealer.

This product is currently approved under MPI #58

#### Technical Assistance:

Available through your local authorized independent Insl-x dealer. For the location of the dealer nearest you, call 1-866-708-9180, or visit [www.insl-x.com](http://www.insl-x.com).

#### Technical Data◇

		<b>White</b>
Vehicle Type	Acrylic	
Pigment Type	Titanium Dioxide	
Volume Solids	28 ± 1.0%	
Coverage per Gallon at Recommended Film Thickness	450 – 550 Sq. Ft.	
Recommended Film Thickness	– Wet	2.9 - 3.6 mils
	– Dry	0.8 - 1.0 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.		
	– Tack Free	30 Minutes
Dry Time @ 77°F (25°C) @ 50% RH	– To Recoat	4 Hours
	– Light Foot Traffic	24 Hours
	– Heavy Foot Traffic	72 Hours
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By	Evaporation	
Viscosity	60 – 65 KU	
Flash Point	200°F or greater (TT-P-141, Method 4293)	
Gloss / Sheen	Colors: 25-30 @ 60° / Clear: >80 @ 60°	
Surface Temperature at Application	– Min.	50°F
	– Max.	90°F
Thin With	Do Not Thin	
Clean Up Thinner	Warm Soapy Water	
Weight Per Gallon	9.8 lbs.	
Storage Temperature	– Min.	50°F
	– Max.	90°F

#### Volatile Organic Compounds (VOC)

178 Grams/Liter    1.48 Lbs./Gallon

◇ Reported values are for White. Contact dealer for values other bases or colors.

## TuffCrete® WB Acrylic Waterproofing Concrete Stain CST-2XXX

### Surface Preparation

**Uncoated Concrete** - All cured and uncoated concrete must be at least 30 days old, clean, dry and free of oil, grease, dirt, laitance or other foreign matter that could interfere with penetration or adhesion. Grease, oil, release agents and dirt can be removed by scrubbing the surface with a heavy duty oil and grease emulsifier. Rinse well with clean water. Bare concrete must be porous. Most horizontal concrete requires acid etching with a concrete etching product. Follow all label instructions carefully. A properly etched surface should have a texture like medium/fine sandpaper.

**NOTE:** Extremely smooth or dense pre-cast panels should be aggregate blasted or acid etched prior to application of the stain in order to assure adequate penetration and adhesion.

**Previously Coated Concrete** - Remove all oil, grease, dirt, loose paint or other foreign matter. Scrub the surface with a heavy duty oil and grease emulsifier. Rinse well with clean water and allow it to dry thoroughly. Glossy surfaces must be sanded to remove all gloss. A test area to insure applicability is recommended. Acid etching of painted or sealed surfaces is neither required nor recommended.

**Coating Preparation**- Be sure coating is mixed thoroughly prior to application. If more than one batch number is being used, it is a good idea to intermix gallons in a larger container to assure color uniformity.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Application

TuffCrete® 100% Acrylic WB Concrete Stain may be applied by nylon brush, short nap roller, airless, HVLP or conventional spray. Apply material in a uniform, even coat at up to 550 square feet per gallon. Actual spread rate is determined by surface texture and application technique. Always attempt to coat large surface areas by painting up to natural breaks or in defined sections in order to reduce the potential for lap marks. For horizontal applications, allow to dry a full minimum of 24 hours before light foot traffic and a minimum of 72 hours before heavier foot traffic. Periods of high humidity, low temperatures or applying a heavy coat will extend the dry time. Do not apply in direct sunlight. Do not apply if ambient or surface temperature is greater than 90°F or less than 50°F.

### Clean Up

Clean up tools with warm soapy water.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

### Environmental Health & Safety Information

**Caution:** All floor coatings may become slippery when wet. Where non-skid characteristics are desired, a small amount of clean sand may be added. Stir often during application.

**Use only with adequate ventilation.** Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.

**WARNING:** This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

**FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**IN CASE OF SPILL** – Absorb with inert material and dispose of as specified under "Clean up".

**KEEP OUT OF REACH OF CHILDREN  
PROTECT FROM FREEZING**

**Refer to Safety Data Sheet for  
additional health and safety information.**