

# CSS V-Wrap™ TSTRATA TC

Protective, Acrylic-Based Topcoat



## DESCRIPTION

CSS V-Wrap Tstrata TC is a one-component, acrylic-based, high-build protective topcoat for use with CSS V-Wrap FRP systems, concrete and masonry. CSS V-Wrap Tstrata TC provides a concrete-compatible, gray color sand-textured finish.

## CODE REPORTS AND COMPLIANCE

ICC-ES ESR-4930



ASSESSMENT

### WHERE TO USE

- Concrete
- Masonry
- CSS V-Wrap FRP Systems

### PERFORMANCE FEATURES

- ICC-ES ESR-4930 listed product
- Repels water
- Excellent adhesion
- Protects from UV exposure
- Flame spread ASTM E84 Class A
- Highly durable
- Concrete sand finish

## PRODUCT DATA

### Generic Description

Protective, acrylic-based topcoat

### Packaging

Size	Model No.
5 US Gallon (18.9 L)	CV-TSTRATATC

### Color

Gray

### Coverage Rates

CSS V-Wrap FRP: 100–125 ft.<sup>2</sup>/US gal.

Concrete: 50–75 ft.<sup>2</sup>/US gal.

**Note:** CSS V-Wrap Tstrata TC coverage rates are approximate per coat and are for estimating purposes only. Surface temperature, porosity and texture will determine actual material requirements.

### Storage

Store at temperatures between 50°F (10°C) to 90°F (32°C). Protect from freezing.

### Shelf Life

Store at 70°F (21°C) 24 months in unopened containers.

### VOC

30 g/L

## PHYSICAL PROPERTIES

**Density:** 12–13 lb./US gal.

**Flash Point (ASTM D93):** 162°F (72°C)

**Flame Spread (ASTM E84):** Class A

**Smoke Developed (ASTM E84):** Class A

**Combustibility (ASTM E136):** Noncombustible

**Impact Resistance (ASTM D2794):** Pass

**Abrasion Resistance (ASTM D968):** No coating loss

**Fungal Resistance (ASTM D3273):** No mold growth

**Freeze-Thaw Resistance (ASTM C666):** No change

**UV & Condensation Exposure (ASTM D4587):**

- No cracking at 2,000 hours (ASTM D661)
- No blistering at 2,000 hours (ASTM D714)
- No delamination at 2,000 hours (ASTM D772)



PLANNING

### PRECAUTIONS AND LIMITATIONS

- Do not thin or dilute
- Do not apply if rain is expected within 8 hours
- Do not apply over frost-filled surfaces
- Do not apply if surface and ambient temperatures are below 45°F (7°C) or above 95°F (32°C)
- Not for use on traffic-bearing surfaces
- In all cases, consult the Safety Data Sheet before use

PREPARATION

### SURFACE PREPARATION

**Concrete and Masonry:** Cure new concrete and masonry surfaces for 28 days. Surface must be structurally sound, clean, dry, and free of dust, dirt, oil, peeling paint, curing and form-release compounds, and other contaminants. Provide an absorptive surface on smooth pre-cast, formed concrete and other substrates by abrading the surface. Surface profile should be equal to CSP 1 to 2 in accordance with ICRI Guideline 310.2.

**On FRP:** Surface must be clean and dry and free of any deleterious materials.

### MIXING

CSS V-Wrap Tstrata TC should be mechanically mixed using a low speed ¾" (19 mm) drill with a mixing paddle. Mix thoroughly to a uniform, smooth consistency. Avoid entrapping air while mixing.

EXECUTION

### APPLICATION

Apply by roller or brush. Avoid applying to excess, which can cause the product to run down the wall or puddle. For application, use brushes and 1½" (38.1 mm) nap rollers designed for latex paint. Dampen the brushes or rollers with clean water before use. When using rollers, uniform millage is achieved by rolling CSS V-Wrap Tstrata TC in one direction only. CSS V-Wrap Tstrata TC should be applied as a two-coat application. Second coat should be applied after the first coat is dry.

**CAUTION**

WARNING! May cause an allergic skin reaction. Suspected of causing cancer. May cause damage to organs (kidney) through prolonged or repeated exposure.

**Protective Measures:** The use of safety glasses and chemically-resistant gloves is recommended. Use appropriate clothing to minimize skin contact. The use of a NIOSH-approved respirator is required to protect respiratory tract when ventilation is not adequate to limit exposure below the PEL. Refer to Safety Data Sheet (SDS) available at [strongtie.com/sds](http://strongtie.com/sds) for detailed information.

**FIRST AID**

**Eye Contact:** Hold open eyes under running water for 15 minutes. Seek medical advice.

**Skin Contact:** Wash skin with soap and water. Seek medical advice if irritation develops.

**Inhalation:** Remove affected person to fresh air. If necessary, use artificial respiration. Seek medical advice.

**Ingestion:** If product is swallowed, call physician or poison control center. DO NOT INDUCE VOMITING, or give diluents to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice.

**CLEAN UP**

**Tools and Equipment:** Clean tools and application equipment immediately after use with soap and hot water. Clean overspray or drips while still wet with soap and hot water. Dried material may require strong solvents or mechanical abrasion for removal.

**Skin:** Use a non-toxic pumice-based soap, citrus-based hand cleaner, or waterless hand cleaner towel. Never use solvents to remove product from skin.

**Disposal:** Dispose of container and unused contents in accordance with federal, state and local requirements.

**LIMITED WARRANTY**

This product is covered by the Simpson Strong-Tie RPS Product One-Year Limited Warranty, which is available at [strongtie.com/limited-warranties](http://strongtie.com/limited-warranties) or by calling Simpson Strong-Tie at (800) 999-5099.

**IMPORTANT INFORMATION**

It is the responsibility of each purchaser and user of each product to determine the suitability of the product for its intended use. Prior to using any product, consult a qualified design professional for advice regarding the suitability and use of the product, including whether the capacity of any structural building element may be impacted by a repair. As jobsite conditions vary greatly, a small-scale test patch is required to verify product suitability prior to full-scale application. The installer must read, understand and follow all written instructions and warnings contained on the Limited Warranty, product label(s), Product Data Sheet(s), Safety Data Sheet(s) and the [strongtie.com](http://strongtie.com) website prior to use. For industrial use only by qualified applicators. KEEP OUT OF REACH OF CHILDREN!

 **WARNING!** Cancer and reproductive harm — [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).