

## CST 40

### 40% Solids VOC Compliant Penetrating Silane

#### DESCRIPTION:

**CST 40** is a 40% solids, solvent-based, silane sealer. This clear, penetrating, breathable water repellent is designed for use on interior and exterior above-grade concrete or masonry surfaces. **CST 40** penetrates the surface and bonds directly with the substrate, which results in a surface that is highly resistant to both moisture and salt. **CST 40** helps protect against the corrosive effects of de-icing salts, moisture, and weathering to prevent spalling and deterioration of concrete structures.

#### Uses:

- Concrete & Masonry Surfaces
- Parking Structures
- Bridges & Ramps
- Pavements & Marine Platforms
- Seals and protect woods finishes

#### Features:

- Provides excellent chloride screen
- Excellent water repellency
- Fast drying in cooler temperature
- Reduces the effects of freeze-thaw cycling
- New as well as old concrete surfaces
- Dries tack-free and skid resistant
- Colorless and non-yellowing

#### Technical:

Intended Meets and surpasses Fed. Spec SS-W-110 b (GSA-FSS) Performance

#### Coverage Guide:

The average rate is determined by surface porosity:

Porous surfaces:

125-175 ft<sup>2</sup> /gal (3.07-4.30 m<sup>2</sup>/liter)

Broom finish:

200-300 ft<sup>2</sup> /gal (4.91-7.36 m<sup>2</sup>/liter)

Smooth concrete:

250-350 ft<sup>2</sup> /gal (6.14-8.59 m<sup>2</sup>/liter)

#### Preparation:

OLD CONCRETE & MASONRY- Remove any previously applied sealers, dust, dirt, tar, oil, etc. with pressure wash and TMI **RepGreen Citrus Cleaner** or use other appropriate measures to properly prepare the substrate. Membranes of any kind must be removed. Substrates must be absorptive to allow penetration of the **CST 40**.

NEW CONCRETE- Surface should be well cured (28- day minimum) using water, wet burlap, polyethylene curing paper, or dissipating resin-based curing compound. Surface must be free of all curing residue, dust, debris, oil and other contaminants. Substrates must be absorptive to allow penetration of the **CST 40**. All joint sealant, caulks and patching should be in place before applying.

When concrete etching is required prior to application on new or old concrete, use **PrepEtch**. For specific application instructions or guide specifications, contact **TuffTex Materials** at 512-617-7334.

#### Placement:

Horizontal Surfaces: Flood surfaces with **CST 40** using a low-pressure sprayer (airless sprayer 10 to 20 psi), roller, brush or broom. Broom or squeegee around for even distribution. Let the surface absorb the **CST 40**. An extremely porous surface may require two coats if applied on a "wet on wet" procedure. Distribute any puddles or free-standing material.

Vertical Surfaces: Apply with spray or roller at the rates indicated in the coverage guide.

#### Curing/Drying Time:

2-4 hours at 70° F (21° C) and 50% relative humidity. Cooler temperatures or higher relative humidity can extend the drying time.

**Clean Up:**

Tools and Equipment: Clean with soap & water.

**Packaging:**

275-gallon (1041 liter) totes 55-gallon (208 liter) drums 5-gallon (19 liter) pails

**Color:**

Clear with fugitive dye.

**Storage:**

The material should be stored between 40°F – 95°F (4°C – 35°C) in a cool, dry area away from direct sunlight.

**Shelf Life:**

The shelf life of properly stored, unopened containers is 24 months (two years). An excessive temperature differential and/or high humidity can shorten the shelf life expectancy.

**Caution:**

READ SDS PRIOR TO USING PRODUCT.

**Combustible liquid.** Keep Away from Open Flame. Not suitable for asphaltic surfaces. Protect glass, metal and other non-masonry surfaces from over spray. Do not use if air, product or surface temperatures are below 20° F or above 90° F. Do not use over a curing membrane. Initial reaction will be in 16 to 24 hours. Treated areas may be returned to service once the product has penetrated and the surface is dry. Do not over apply. Substrates should be saturated with the material, but puddling should be avoided. Do not apply if precipitation is expected within four hours, or if rain has preceded the application in the past 24 hours. **CST 40** is not formulated for below grade waterproofing. Not effective for some stone surfaces. Over application may cause a slight darkening of the surface. Do not apply in high winds. Do not dilute. Wear protective gloves and goggles. Avoid prolonged skin contact. Allow NO contact with food. **DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!**

Dispose of waste material in accordance with federal, state and local requirements.

**WARRANTY:**

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials, Inc.** or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

**DISCLAIMER:**

Refer to the SDS sheet before use. The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of **TuffTex Materials, Inc.** Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Published technical data and instructions are subject to change without notice. Contact your local **TuffTex Materials, Inc.** distributor or technical representative for additional technical data and instructions.

<b>Physicals:</b>	
Composition	Organofunctional Silane
Active Silane Content	40% min. by wt.
Chloride Screened	96%
VOC	< 350 g/l
Content (EPA Method 24)	Less than 250 grams/liter
Fugitive Dye for visual inspection	
Weight / Gal	6.88 lbs./gal
Repellency Factor	98.6%
ASTM C-642, Water Absorption	0.364%
ASTM C-672, Scaling Resistance	No Scaling 125 cycles
Flash Point (ASTM D3278-82)	140°F