



# TOUGH SHIELD®

## ACRYLIC FLOOR AND PATIO COATING

### SATIN FINISH CTS-3xxx

#### Features

- 100% acrylic formula has excellent adhesion
- Durable satin finish stands up to weather and abrasion
- Resists ponding water
- Can be used in light commercial as well as residential floor applications

#### Recommended For

Use on floors, steps, porches, patios and walkways.

#### General Description

This 100% Acrylic Enamel is designed to produce a rugged, durable finish in light commercial or residential floor applications. Tough Shield® Floor and Patio Coating has good abrasion resistance and possesses excellent wearing qualities. It will withstand detergents, oils, grease and scrubbing. The cured film has excellent resistance to ponding water. Tough Shield® Floor & Patio dries to a pleasant satin finish.

#### Limitations

- Apply when surface & air temperatures are above 50 °F (10 °C).
- Do not apply if temperature is within 5° of Dew Point or if rain is expected within 12 hours
- **NOTE: DO NOT USE ON GARAGE FLOORS OR CAR PARKING SURFACES.**

#### Product Information

##### Colors — Standard:

Tintable White (CTS-3110), Gray Pearl (CTS-3308), Light Gray (CTS-3310), Black (CTS-3120), Tile Red (CTS-3505), Desert Sand (CTS-3922), Saddle Brown (CTS-3998)

##### — Tint Bases:

Tint Base (CTS-3111), Deep Base (CTS-3112), Neutral Base (CTS-3190)

Tint with Universal Colorants Only

##### — Special Colors:

Contact your retailer.

##### Certification & Qualifications :

The product supported by this data sheet contains a maximum of 100 grams per liter VOC/VOS (0.83 lbs/gal.) excluding water & exempt solvents.

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	YES
CARB	YES
CARB07	YES
UTAH	YES
AZMC	YES
SCAQMD	NO

##### Technical Assistance:

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

##### Technical Data◇

##### White

Vehicle Type Acrylic

Pigment Type Titanium Dioxide

Volume Solids 40 ± 1.0%

Coverage per Gallon at Recommended Film Thickness 400 - 500 Sq. Ft.

Recommended Film Thickness	– Wet	3.2 - 4.2 mils
	– Dry	1.3 - 1.7 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	2 Hours
		4 Hours (interior)
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Recoat	12 Hours (exterior)
	– Light Foot Traffic	24 Hours
	– Heavy Foot Traffic	5 – 7 Days

Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.

Dries By Evaporation

Viscosity 80 – 85 KU

Flash Point 200 °F or greater (TT-P-141, Method 4293)

Gloss / Sheen Satin (12 – 20 @ 60°)

Surface Temperature at Application	– Min.	50 °F
	– Max.	90 °F

Thin With Not Necessary

Clean Up Thinner Warm Soapy Water

Weight Per Gallon 10.6 lbs.

Storage Temperature	– Min.	50 °F
	– Max.	90 °F

##### Volatile Organic Compounds (VOC)

89.6 Grams/Liter 0.74 Lbs./Gallon

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

## Tough Shield® Acrylic Floor and Patio Coating Satin Finish CTS-3xxx

### Surface Preparation

Surface to be painted must be clean and free of dirt, chalk, wax, grease, rust or flaking paint. Dirt and chalk should be removed by power washing or scrubbing with warm soapy water and thoroughly rinsed with clean water. Wax should be removed with a commercial wax stripper or by solvent cleaning. Grease should be cleaned by using an Oil & Grease Emulsifier. Rust must be removed by hand sanding vigorously or by conscientious power tool cleaning. Remove loose paint by scraping. Feather sand rough edges to ensure a smooth finish coat. Glossy surfaces must be dulled by lightly sanding. Remove sanding dust before paint application. Any exposed substrate should be spot primed with the appropriate primer. **NOTE:** New concrete should cure 30 days prior to painting and should be thoroughly acid etch to a texture of medium sandpaper.

For additional protection, apply 1 coat of Insl-x® FLB-100 Tuffcrete® Bonding Primer & Sealer.

### Priming (New or Bare Surfaces):

**Concrete Floors** - Thin the first coat of Tough Shield® Floor & Patio Coating with one pint of water per gallon. Allow 24 hours dry time then apply one or two coats as it comes from the can.

#### Wood Floors

Interior: Apply Insl-x® Prime Lock™ Plus or Aqua Lock® Plus – allow a minimum of 24 hours prior to applying finish coat

Exterior: Apply Insl-x® Blockout® Exterior Tannin Blocking Primer TB-1100 – allow 24 hours prior to finishing.

**Masonry** – Apply Acrylic Masonry Sealer

**Ferrous Metal (Steel and Iron)** – Apply Metal Primer

**Non-Ferrous Metal (Galvanized & Aluminum)** – Self Priming

**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 Informational Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Application

Stir product with a circular, lifting motion before you begin to paint. Tough Shield® Floor & Patio Coating may be applied by brush, roller or spray techniques, at a rate of application not to exceed 500 square feet per gallon. Surface texture and porosity will affect actual yield. Allow 24 hours cure time prior to light foot traffic and 5-7 days prior to heavy use. Apply when surface temperature is above 50 °F. This product is not designed as a slip resistant finish. If skid resistance is important, apply Insl-x® Sure Step Anti-Slip Coating.

### Clean Up

Clean tools with warm, soapy water before paint dries. When dry, this paint is difficult to remove. Keep a wet rag handy to clean up spills immediately.

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** Cancer and Reproductive Harm – [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**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.**