



Tough Shield®

Acrylic Porch & Floor Coating
Satin NTS-3XXX

General Description

This acrylic enamel is designed to produce a rugged, durable finish in light commercial or residential floor applications. Tough Shield® Porch & Floor Coating has good abrasion resistance and possesses excellent wearing qualities. It will withstand detergents, oils, grease and scrubbing. Tough Shield® Porch & Floor dries to a pleasant satin finish.

- Excellent adhesion
- Abrasion resistant
- Quick drying
- Weather resistant
- Resists ponding water

Usage

For interior and exterior use on properly prepared concrete, masonry, metal, and wood in residential and commercial applications. Use on porches, patios, walkways and steps. Do not use on garage floors.

Colors	Tintable White (311B), Tile Red (3105), Knight Gray (3107), Welded Gray (3111), Black (3120), Desert Sand (3122), Saddle Brown (3198)
	Base 1 (Tintable White), Base 2, Base 3, Base 4
Bases	Gennex®, Color Preview®, or Universal
Colorant System	

Technical Data

Vehicle	Modified acrylic
Pigment	Titanium Dioxide
Volume Solids	40 ± 2%
Spread Rate Per Gallon	400 – 500 Sq. Ft.
Recommended Wet:	3.2 – 4.0 mils
Film Thickness Dry:	1.3 – 1.6 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.	
Dry Time @ 77 °F / 25 °C (50% RH)	To Touch: 1 – 2 hours
	To Recoat: 4 – 6 hours
	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.	
Surface Temperature	Min: 50 °F
During Application	Max: 90 °F
Viscosity	81 ± 4 KU
Flash Point	None
Sheen / Gloss	12 – 20 @ 60°
Clean Up	Water
Thinner	refer to page 2
Weight Per Gallon	10.7 lbs.
Storage Temperature	Min: 40 °F
	Max: 90 °F
VOC	< 50 g/L

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 etched to a texture of medium sandpaper.

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.

Priming

Bare Concrete:

Self Priming. Thin first coat of Tough Shield® with one pint of water per gallon.

Wood Floors:

Use an acrylic primer, such as Insl-X® Max Block™ or Aqua Lock®, or an alkyd primer/sealer

Masonry:

Use Acrylic Masonry Sealer

Ferrous Metal:

Use Metal Primer

Galvanized Metal:

Self Priming

Compliance & Certifications

FEDERAL	✓
OTC	✓
OTC II	✓
CARB	✓
CARB07	✓
CARB19	✓
UTAH	✓
AZMC	✓
SCAQMD	✓

Limitations

- Do not paint when air or surface temperature is below 50 °F (10 °C).
- Do not apply if temperature is within 5° of dew point or if rain is expected within 12 hours.
- Do not use on garage floors or car parking surfaces.

Technical Assistance

Available through your local authorized independent Insl-X retailer.

call 1-866-708-9180
visit www.insl-x.com

Application

Stir product with a circular, lifting motion before you begin to paint. Tough Shield® Porch & Floor Coating may be applied by brush, roller or spray techniques, at a rate of application not to exceed 500 square feet per gallon. On bare concrete, thin first coat with one pint of water 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.

Brush: Nylon / polyester

Roller: Professional/High-Capacity Quality

Spray, Airless:

Pressure / 1,500 – 2,500 PSI

Tip / 0.013 – 0.017

Clean Up

Wash brushes, rollers, and other painting tools in warm soapy water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

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

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.

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, use an appropriate anti-slip aggregate.



WARNING Cancer and Reproductive Harm– www.P65Warnings.ca.gov
Refer to the product label & Safety Data Sheet for product specific information.

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.**