



TUFFCRETE®

CLEAR ACRYLIC EPOXY
BONDING PRIMER/SEALER FLB-100

Features

- Interior/Exterior
- Penetrates and Bonds to Concrete
- Excellent Sealing Properties When Top-Coated
- Low VOC
- Improves Topcoat Adhesion
- Low Odor

Recommended For

Interior and Exterior. Use as a seal coat on masonry, stucco, concrete and cement block for garage floors, basement floors, weathered exterior masonry walkways, patio surfaces, and vertical masonry walls. Acceptable for light commercial use on warehouse floors.

General Description

TuffCrete® FLB-100 Acrylic Epoxy Clear Bonding Primer/Sealer is a specially engineered acrylic-epoxy clear sealer for masonry floors, designed to lock down latent residue on masonry surfaces and provide enhanced adhesion for finish coats of paint. It seals masonry surfaces, assuring better adhesion and bonding of finish coats; particularly on garage floors or weathered exterior masonry walkways and patio surfaces. TuffCrete® FLB-100 may also be used on vertical masonry walls to seal and provide extra bonding and adhesion to exterior finish coats. TuffCrete® FLB-100 is not intended to be used as a clear finish coat. It remains slightly tacky when dry, providing the improved topcoat adhesion. **IT MUST BE TOPCOATED.**

Limitations

- Must be topcoated. Do not use for a clear finish coat.
- Not intended for use on previously painted surfaces.
- Apply and allow to dry at temperatures between 50°F (10°C) and 90°F (32.2°C).
- On exterior surfaces, do not use if rain is expected within 24 hours.
- Not to be used for immersion service.

Product Information

Colors — Standard:

FLB – 100 Clear

— Tint Bases:

N/A
Do Not Thin

— Special Colors:

Contact your retailer.

Certification:

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.

This product is compliant under the Ozone Transport Commission regulations as a Primer/Sealer/Undercoater. This product meets SCAQMD and CARB regulations.

This product meets the qualifications for LEED [Leadership in Energy and Environmental Design] projects when used as a sealer

Technical Assistance:

Available through your local authorized independent Insl-x dealer. For the location of the dealer nearest you, call 1-800-225-5554 or visit www.inslx.com.

Technical Data◊

Clear

Vehicle Type Acrylic-Epoxy

Pigment Type Titanium Dioxide

Volume Solids 17 ± 1.0%

Coverage per Gallon at 150 – 250 Sq. Ft. on Coarse
Recommended Film Concrete
Thickness

Recommended – Wet 6.4 to 12.8 mils (rough surface) 2.9 to
4.0 mils (smooth surface)
Film Thickness – Dry 1.1 to 2.2 mils (rough surface) 0.5
to 0.7 mils (smooth surface)

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 – Tack Free Stays Tacky
(25°C) @ 50% RH – To Recoat 4 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 N/A

Surface Temperature at – Min. 50°F

Application – Max. 90°F

Thin With Do not Thin

Clean Up Thinner Warm, Soapy Water

Weight Per Gallon 8.46 lbs.

Storage Temperature – Min. 45°F

– Max. 95°F

Volatile Organic Compounds (VOC)
96 Grams/Liter 0.8 Lbs./Gallon

◊ Reported values are for Clear. Contact retailer for values of other bases or colors.

TuffCrete® Clear Acrylic Epoxy Bonding Primer/Sealer FLB-100

Surface Preparation

General: All surface areas to be painted should be clean, dry, sound and free of all dirt, grease, oils, waxes, mildew and any other surface contaminants. Dirt and chalk should be thoroughly removed by scrubbing with warm soapy water. Grease residue should be removed with a Grease & Oil Emulsifier. Remove all loose chipping, cracking and peeling paint from previously painted surfaces by hand scraping, sanding, wire brushing and/or by use of power tool cleaning methods such as electric sanders, grinders, etc. Lightly feather sand all rough paint edges to adjacent surface area. All glossy surface areas should be lightly sanded to effectively dull any existing sheen and create a more suitable surface for painting. Mildew – Surface areas affected by mildew should be thoroughly hand scrubbed with a soft to medium bristle scrub brush and a solution of one cup Tri-Sodium Phosphate or a nonammoniated detergent cleaner mixed with one part household bleach* and three parts warm water, per gallon solution. Allow solution to stand on the affected surface areas for approximately 10 – 20 minutes, then rinse thoroughly with clean water and allow 24 – 48 hours to dry.

*Follow bleach manufacturer's instructions for safe handling and use of bleach solution.

New Concrete: New concrete must age a minimum of 30 days. Following proper cleaning, acid etch with a concrete etching material such as Corotech® V620. Etching should leave the concrete with the feel of 120 grit sandpaper. Neutralize, rinse and allow to dry completely.

Aged Brushed or Broomed Concrete: Clean thoroughly and allow to dry completely.

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. Carefully clean up 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.

Application

TuffCrete® Acrylic Epoxy Clear Bonding Primer/Sealer applies easily with a quality brush or roller. Stir product thoroughly before using. For best results, it is recommended to apply by brush or roller application to effectively work primer into surface pores. On smooth masonry, use a $\frac{1}{4}$ " to $\frac{3}{8}$ " roller cover. A $\frac{1}{2}$ " roller cover is appropriate for brushed or broomed finish concrete surfaces or stucco. Keep a wet edge and back roll to avoid puddling of the product. This product must be applied at temperatures between 50°F and 90°F. Avoid paint application outside when weather conditions are threatening, and late in the afternoon when there is a threat of moisture condensing on wet paint. Do not paint if surface temperature is within 5 degrees of the dew point.

If applying by airless sprayer, it is recommended to use a unit with a minimum of 1500 PSI of pressure with a 0.011 – 0.013 fluid spray tip. When applying by airless sprayer, it is required that the surface area be back-rolled/brushed to insure proper adhesion, an even application and to effectively work primer into surface pores. It is important to maintain a wet edge during all methods of paint application by brushing or rolling into previously applied coating area.

Clean Up

Clean painting tools with soap and water immediately after use. 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.

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 "Cleanup".

KEEP OUT OF REACH OF CHILDREN PROTECT FROM FREEZING

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