

FAST TRACK PRIMER

Technical Data Sheet

DESCRIPTION AS GREEN CONCRETE PRIMER:

Fast Track Primer is a three-component, 36% solids, waterborne-epoxy. As a green concrete primer, Fast Track Primer will allow Valspar Flooring systems to be applied to properly designed green concrete inside the typical 28 day concrete curing window. This primer is specially formulated for superior penetration and adhesion to a green concrete slab. Primer application within eight (8) hours of pour eliminates the need for shotblasting of acceptably designed concrete. Fast Track Primer seals the surface of the slab and can act as a concrete curing compound to improve the physical properties of the concrete by allowing proper hydration.

DESCRIPTION AS MOISTURE VAPOR TREATMENT:

Fast Track Primer is a three-component, 36% solids, waterborne-epoxy. As a moisture vapor treatment, Fast Track Primer will reduce water vapor levels from as high as 8 lbs. to below the acceptable level of 3 lbs. in a single coat. This application requires a shotblasted surface.

USES:

Use as a green concrete primer or moisture vapor treatment under Valspar epoxy and urethane coatings as well as broadcast and troweled systems.

ADVANTAGES:

- Excellent adhesion to green concrete
- Primer applied to concrete within 8 hours of pour requires no mechanical preparation
- Superior penetration of green concrete substrates
- Zero VOC
- Eliminates the need for shotblasting prior to coating application as green concrete primer
- Fast dry time
- Mix with water on the job site
- No odor
- Moisture tolerant
- Easy clean up
- Apply with squeegee and roller
- Meets ASTM C-309 requirement for use as a concrete curing compound

GENERAL DATA:

VOC:	0 g/l
Percent Solids:	36%
Flash Point:	>200°F
Shelf Life:	2 years (unopened container)
Pot Life:	Approx. 2 hours @ 77°F and 50% relative humidity
Recoat time:	14 hours-28 days @ 77°F
Application method:	Squeegee and ¼" nap roller
Cure time:	3-4 hrs. @ 77°F and 50% relative humidity
Mixing method:	Low speed with "Jiffy" mixer
Thinner:	Not recommended

TYPICAL PHYSICAL PROPERTIES:

Concrete Curing Compound	
Water Loss (ASTM 309):	> .55 kg/m ²
Bond Strength (ACI COM#403):	>400 psi (100% concrete failure)

PACKAGING:

Fast Track Primer in pre-proportioned units for error-free jobsite mixing. The kit consists of a gallon can of Resin and a short-filled five gallon pail of Hardener. The kit will yield 4.75 gallons of mixed product after the required reduction with water.

COVERAGE:

As a green concrete primer, on a non-blasted surface, Fast Track Primer must yield approximately 150-250 sq.ft./gal.

As a moisture vapor treatment, on a blasted surface, Fast Track Primer must yield approximately 150-200 sq.ft./gal.

MIXING RATIOS:

ALL PROPORTIONS BY VOLUME:

Fast Track Primer Resin, Part R	1 gallon
Fast Track Primer Hardener, Part H	1.25 gallons
Water	2.5 gallons

PLANNING:

Fast Track Primer may be applied to a newly poured slab as soon as foot traffic is possible (boot test). Primer application within 8 hours of the concrete (standard, properly designed mix) being poured requires no mechanical preparation.

Fast Track Primer can be applied after the initial 8 hours of the pour but the surface will require shotblast preparation.

LIMITATIONS:

Fast Track Primer is to be used per specification only on standard mix design concrete. Any special mix design or high density concrete needs to be reviewed by Valspar Technical Service personnel prior to approval of the product for use in the installation. A certain degree of porosity of the slab surface is necessary for Fast Track Primer to function as designed. Please review finishing plans with Valspar Technical Service personnel prior to application.

To be used only with the Valspar Flooring Epoxy components or Urethane Systems. (Consult Valspar Flooring Technical team.)

Proper material application is the responsibility of the user. Site visits by Valspar personnel are for making technical recommendations only and not for supervising or providing quality control.

Do not change the mix ratio or mixing order of the components.

Do not add any solvent.

Strictly follow the coverage rates specified.

Substrate must be structurally sound, and free of bond inhibiting contaminants.

During installation and initial cure cycle, substrate and air temperature must be minimum 60°F. Substrate temperature must be at least 5°F above the dew point. (For lower temperatures contact a Valspar representative prior to installation.)

Do not apply to floors previously treated with curing and parting compounds or other coatings unless they have been completely removed by mechanical means.

Do not use on vinyl, asphalt, rubber, glazed tile, paving brick, quarry tile, Mexican tile, or similar materials.

Do not apply if the floor or air temperature is below 60°F or over 90°F or if the relative humidity is above 85%. Do not apply over honeycombed or structurally unsound surfaces.

Before applying for protection against specific chemical environments, consult Valspar Technical Service.

If the product is to be applied in or near areas containing foodstuffs, they should be removed before the application and until the coating has fully cured and all vapors have dissipated.

Do not thin this product more or less than directed. Critical recoat times will also be affected.

Technical Data Sheets are updated periodically. To ensure the most current version is being used, visit www.valsparflooring.com.

THE FOLLOWING INFORMATION ON PRELIMINARY FLOOR INSPECTIONS, SURFACE PREPARATION, STANDARD TESTS, AND MECHANICAL PREPARATION PERTAIN TO THE USE OF FAST TRACK PRIMER ON GREEN CONCRETE SLABS WHERE THE 8 HOUR POUR WINDOW HAS ELAPSED:

PRELIMINARY FLOOR INSPECTIONS:

In general, the area to be surfaced must be clean, sound, dry and above 60°F to assure a successful installation.

Always be alert to any possible airborne or surface contaminants that may contribute to problems such as fisheyes, crawling, cratering, etc.

SURFACE PREPARATION:

All oil, grease, wax, laitance, curing compounds, water-soluble concrete hardeners and other surface contaminants must first be removed. Inspect the concrete and remove loose or soft concrete by shotblasting.

STANDARD TESTS:

Refer to the standard test methods below for further information.

ASTM D 4258-83 Standard Practice for surface
Cleaning Concrete for coating

ASTM D 4259-83 Standard Practice for Abrading
Concrete

MECHANICAL PREPARATION:

Mechanically abrade the concrete by “shot-blasting” the surface to the texture of medium grade sandpaper. Next, broom sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help insure a tenacious bond from the primer.

Whenever “shot-blasting” is utilized, be careful to leave concrete with a uniform texture. Over “blasting” will result in reduced coverage rates of the primer and/or subsequent topcoats. It’s also possible that the texture of the “shot-blast” pattern may show through the last coat. In most cases, multiple coats will be required in order to cover the profile created by an improperly “shot-blasted” floor. This is known as “tracking”.

MIXING:

It is important to remember that this coating has a limited pot life. Although it is an extended pot life, it is wise to check and make sure everything is in order prior to starting the mixing sequence.

1. Premix both components. Ensure that cross-contamination between components is not happening with the Jiffy blade.
2. Part “H” is dark olive green in color and may appear black in the container. Part “R” is light amber in color.
3. Add the 1 gallon of Part “R” to the 1.25 gallons of Part “H”.
4. Mix thoroughly with a Jiffy blade 3 minutes. This mixture will appear as a light olive green color.
5. Slowly add 2.5 gallons of potable water to the mixture under agitation.
6. Mix for an additional 2 minutes and until the mixture is fully dispersed. Fully dispersed material will appear as light yellow to white in color.

APPLICATION:

1. This product should be applied by first pouring a bead of material on the surface to be coated.
2. Using a flat squeegee spread the poured material at the recommended rate. Reference the Coverage Section on Page 1 for the recommended rate.
3. Fast Track Primer is a low viscosity product and will run in front of the squeegee like water. Pull the squeegee slowly with a large puddle in front of the squeegee.
4. Allow for sufficient wetting of the slab and ensure that the recommended coverage rate is honored.
5. Backroll, utilizing a ¼” nap roller, to eliminate puddles on the surface of the slab.

Minimize the overlap from batch to batch or bead-to-bead applications while achieving complete slab coverage.

TOPCOATING:

Fast Track Primer has a recoat window of 14 hours – 28 days.

There is no need for additional mechanical or chemical preparation of the Fast Track Primer prior to the installation of the topcoat.

Prior to coating the Fast Track Primer, any surface dirt or contaminant will need to be removed.

POT LIFE:

The pot life on this product is 2 hours.

CURE TIMES:

The floor area should be maintained at a temperature range of 60°F to 90°F during application and curing. At 75°F, the coated area should be ready for foot traffic within 3-4 hours. It may be topcoated in 14 or more hours.

CLEAN-UP:

Equipment should be cleaned immediately after use with soap and water.

CRITICAL RECOAT TIME:

Fast Track Primer is not cohesive and cannot be reapplied. Fast Track Primer should be coated within 28 days of application with Valspar epoxies and urethanes.

KEEP OUT OF THE REACH OF CHILDREN

TROUBLE SHOOTING:

PROBLEM OBSERVED	POSSIBLE CAUSES
Peeling Between Coats	Past critical recoat time; Contamination between coats.
Puddling and/or Lack of Absorption	Improper coverage rate; Insufficient porosity of the slab. Stop the application, brush blast and reapply; Same issue after a brush blast indicates that the slab is too dense for the product to function as designed.
Slow Cure	Low floor and ambient temperatures; Use of thinner in product; Improper mixing; Product applied too thick.
Coating Soft	Improper mixing; Use of thinner in product; Extreme weather conditions; overapplication.
Cloudiness (after recommended cure time has passed)	Overapplication (product will not function as designed)

REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER SAFETY AND HANDLING INFORMATION.

See individual labels for more caution statements.

KEEP OUT OF THE REACH OF CHILDREN.

DISPOSAL:

Dispose in accordance with federal, state, and local regulations. Use licensed hazardous waste company.

Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned.

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