



B3 PRIMER

SEALER / PRIMER
CURING COMPOUND

B3 Primer a unique molecular structure two component water based epoxy primer. When applied to freshly poured concrete acts as a concrete curing compound, sealer primer all in one. Passes ASTM C 156-98 for Water Retention. Use as a Concrete Curing Compound. Eliminates the need for & cost of shot blasting. Broad re-coat window - same day or wait 28 days and beyond. Only one coat required.

Type: Two-component Mannich amine adduct cured, liquid epoxy waterbased primer.

Applications: Apply to freshly poured concrete as soon as surface is finished and will support foot traffic. Strengthens concrete by promoting hydration. Top coat with epoxies and urethanes, polyurea, polyaspartics. Cures to a matte finish.

Applicable Standards: **B3 Primer** is recommended for use on class 1,2,3 & 4 concrete floors as classified in table 1.1 ACI Standard 302-69. Passes ASTM C 156-98 "Water Retention by Concrete Curing Materials."

Colors	Clear
Mix Ratio	Pre-proportioned units
Volume Solids	50± 2%
Theoretical Coverage	800 mil sq. ft./gal.
Recommended Coverage	4 mils DFT
Pot Life @ 25°C	60-75 min. hrs.
Tack Free @ 25°C	1 hr.
Hard Dry @ 25°C	5 hrs.
Seward Hardness	70-75
Shelf Life	1 year min.
Thinner	Water

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Surface Preparation: Not required when coating fresh/green concrete.

In order that a coating system can wholly fulfill the job it is intended to do, i.e. to protect the substrate against damage, the substrate and the protective layer must adhere as tightly as possible. Failures due to peeling, adhesive loss or disintegration usually are connected to lack of cleaning, interfering materials or failure to produce a mechanical "tooth" for the new application. Due to the unique molecular structure of B3 Primer this problem can be eliminated.

Cured Concrete: Before coating is applied, inspect the top surface of the substrate and treat as necessary to remove laitance, loose material on the surface, grease, oil and other contaminants which will affect bond of coating. Remove oil and grease with commercial grade alkaline cleaner; thoroughly rinse and dry. Prepare all concrete surfaces by sandblasting, bead blasting, acid etching with a 10-15% solution of muriatic acid or high pressure wash (min. 2500 psi). (Caution: Use adequate respiratory, eye and skin protection when using etching solutions, sand blasting, or bead blasting.)

After the preparation and cleaning of the substrate it is advisable to prime the surface as soon as possible. Its purpose is to plug the capillaries and pores in the concrete, to bind back the dust and to make sure the following coat is securely bonded.

MIXING:

Combine part A with part B. Mix with a Jiffy Mixer at 300-600 rpm for 3 minutes. After combining the A&B Components fill the remaining head space of the gallon can with water. Slowly add water while mixing. Mix for 3 minutes. Primer has a useable pot life of 60-75 minutes. Discard material not used within hour.

Application:

Squeegee followed by back rolling to the rate of 200 sq/ft/gallon yields a dft of 3-4 mils.

Cleanup:

Clean all equipment immediately after use with water.

Safety:

Adequate health and safety precautions should be observed during all storage, handling, use and drying periods. For safe usage, user is specifically directed to consult the current "Material Safety Data Sheet" for this product.