



E4E NOVOLAC EPOXY PRIMER

Technical Data Sheet

Product description

: A two component novolac epoxy primer in colors. This primer offers high solids, good substrate penetration and low odor. This primer reduces air release generation from the substrate when applying higher solids novolac topcoats. This will result in fewer surface imperfections in high build and self leveling type coating.

Uses

: Recommended for priming concrete and cement substrates prior to applying other novolac topcoats. This product can withstand exposure to many chemicals.

Cure Time

Pot Life	1-3 hours
Tack Free	4-7 hours
Recoat/Topcoat	7-10 hours
Light Foot Traffic	12-24 hours
Full Cure	2-7 days

Technical Properties

Solids by Weight		85%
Solids by Volume		80%
Flexibility		No cracks on 1/8" mandrel
Impact Resistance	Gardner Impact	Direct=50 in. lb
Abrasion Resistance		500 cycles @ 26.1 g loss
Adhesion		375 psi
Viscosity		250-500 cps

Application Data

Standard Color	Light gray, Medium gray, tile red
Mix Ratio	1 gallon part A to a 1/2 part B
Shelf Life	1 year in unopened containers
Packaging	3 gallon kit
Finish Characteristic	Satin Gloss
Coverage per gallon	267-320 sq ft @ 5-6 mils
Recommended thickness	5-6 mils per coat (yields 4-5 mils dry)

Surface Preparation: Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

Mixing: This product has a mix ratio of 9.95# part A to 4.15# part B by weight. Merely mix the two components together. After the two parts are combined, mix well with slow speed mixing equipment such as jiffy mixer until the material is thoroughly mixed and streak free.

Application: The mixed material can be applied by brush or roller. Maintain temperatures and humidity within the recommended ranges during the application and curing process. Improper mixing or applying the product too thick can result in product failure.

Clean-up/Storage: Store product in an area as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degrees F.

Recoat This product is a primer, we recommend a topcoat. When you recoat or topcoat this product, you must first be sure that all of the solvents have evaporated from the coating during the curing process. The information on the front side are reliable guidelines to follow. However, it is best to test the coating before recoating or topcoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check the coating to insure no epoxy blushes were developed (a whitish, greasy film, or deglossing.) If a blush is present, it can be removed with any standard type detergent cleaner prior to topcoating or recoating. The primary choice of topcoat will be other novolac epoxy coatings. Multiple coats of this product are suitable prior to topcoating.

Limitations Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

- *Colors may be affected by high humidity, low temperatures or chemical exposure.
- *For best results use a 3/8" nap roller.
- *Slab on grade requires moisture barrier.
- *Substrate temperature must be 5°F above dew point.
- *All new concrete must be cured for at least 30 days.
- *Physical properties are typical values and not specifications.
- *This product should be topcoated with a suitable novolac epoxy topcoat.
- *Colors may vary from batch to batch.

