



E4E NOVOLAC EPOXY

Technical Data Sheet

Product description

: A two component colored high solids novolac epoxy coating designed for applications where splash and spills of acids, chemicals, and solvents may occur.

Application Data	
Application Temp.	60° F to 95° F
Viscosity	Mixed 2200-2700 cps
Solids Coverage / US GAL	90-100 sq ft. per gallon @ 16-18 mils
Mix Ratio	10.15 lbs part A to 4.2 lbs part B
Shelf Life	1 year in an unopened container

Cure Time	
Pot Life	25-35 min
Tack Free	5-7 hours
Recoat/Top Coat	5-10 hours
Light Foot Traffic	10-18 hours
Full Cure	2-7 days

Technical Properties		
Flexural Strength	ASTM D790	9,610 psi
Compressive Strength	ASTM D695	9,900 psi
Tensile Strength	ASTM D638	6,680 psi
Adhesion		425 psi
Elongation		4.7%
Shore D Hardness		88
Abrasion Resistance		20 mg loss @ 500 cycles
Heat Deflection Temp.	ASTM D648	115.5° F
Solids by weight		96%
Solids by volume		94%

Surface Preparation: The most suitable surface preparation would be a fine brush blast (shot blast) to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil 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 10.15 lbs part A to 4.2 lbs part B for standard colors. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless suitable weighing equipment is available. After the two parts are combined, mix well with slow speed mixing equipment until the material is thoroughly mixed and streak free. After mixing, transfer the mixed material to another pail (the transfer pail) and again remix. The material in the transfer pail is now ready to be applied on the primed substrate. Improper mixing may result in product failure.

Application: The mixed material material can be applied by brush or roller. However, the material can also be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.

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. Low temperatures or great temperature fluctuations may cause product crystallization.

Recoat Time: If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. However, all previous coats should be deglossed to insure a trouble free bond prior to application of recoats or topcoats. 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 must be removed prior to topcoating or recoating. Multiple coats of this product are acceptable and can be used to achieve greater chemical resistance and build

Important Notice: 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.

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

Limitations; *Color stability or gloss may be affected by environmental conditions such as high humidity, low temperature or chemical exposure.

*Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.

*Apply a suitable primer before using this product

*This product is not UV color stable and exposure to lighting such as sodium vapor lights may cause discolorations.

*Mixtures of chemicals and applications with exposures to chemicals at elevated temperatures should be thoroughly evaluated before applying coating. A test patch is recommended.

*Product can develop surface irregularities in leveling in combination to some chemical contamination or substrate compositions.

*Substrate temperature must be 5°F above dew point.

*For best results, apply with a 1/4" nap roller.

*All new concrete must be cured for at least 30 days prior to application.

*See reverse side for application instructions.

*Physical properties are typical values and not specifications.

