



ANCHOR BOND® NOVOLAC EPOXY (CLEAR)

PRODUCT DESCRIPTION:

Anchor Bond® Novolac Epoxy (Clear) is a two component clear coating that can be used either as a coating or filled with paint chips, marble chips and colored sand mixtures to provide an infinite array of color schemes or patterns. This product is suitable for medium to high build applications.

RECOMMENDED FOR:

- ▶ Chemical spill areas
- ▶ Troughs
- ▶ Curbs
- ▶ Tanks

SUBSTRATE:

This product has exceptional chemical resistance and good color clarity. Typically used as a topcoat for Anchor Bond® CRU Coating or a variety of Anchor Bond® Floor Systems and Tank Liners for increased chemical resistance.

SOLIDS BY WEIGHT:

96% (+ / - 1%)

SOLIDS BY VOLUME:

94% (+ / - 1%)

COLORS AVAILABLE:

Clear - gardner color 2-3

FINISH CHARACTERISTICS:

Gloss (>40 at 60° @ Erichsen glossmeter)

MIX RATIO:

1 gallon Part A / ½ gallon Part B

RECOMMENDED THICKNESS / YIELD:

90-100 sq. ft. / gallon @ 16-18 mils

PACKAGING INFORMATION:

- 3 gal kit
- 15 gal kit

STORAGE CONDITIONS:

Store product at normal room temperature before using. Continuous storage should be between 60 and 90°F. Low temperatures or temperature fluctuations may cause product crystallization.

SHELF LIFE:

One (1) year in original, unopened containers

CHEMICAL RESISTANCE DATA

REAGENT	RATING
xylene	D
1, 1, 1 trichloroethane	C
mek	C
methanol	C
ethyl alcohol	C
skydrol	C
10% sodium hydroxide	E
50% sodium hydroxide	E
10% sulfuric acid	E
70% sulfuric acid	C
10% HCl (aq)	D
5% acetic acid	D

Rating key:

- A - not recommended
- B - 2 hour term splash spill
- C - 8 hour term splash spill
- D - 72 hour immersion
- E - long-term immersion

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	ANCHOR BOND® NOVOLAC EPOXY
FLEXURAL STRENGTH	ASTM D-790	9,610 psi
TENSILE STRENGTH	ASTM D-638	6,680 psi
HARDNESS		88 Shore D

PRIMER:

Anchor Bond® Novolac Primer (Clear)

TOPCOAT:

Optional: none necessary. Multiple coats of this product are acceptable as a stand alone coating or in topcoating over aggregate filled decorative systems with the liquid used as the binder.

CURE RATE:

- Pot life (1 ½ gallon volume) 25-35 minutes @ 70°F
- Tack free (dry to touch) 5-7 hours @ 70°F
- Recoat or topcoat 5-10 hours @ 70°F
- Light foot traffic 10- 18 hours @ 70°F
- Full cure (heavy traffic) 2-7 days @ 70°F

ANCHOR BOND® NOVOLAC EPOXY (CLEAR) MIXING AND APPLICATION INSTRUCTIONS

1) PRODUCT STORAGE:

Store product at normal room temperature before using. Continuous storage should be between 60 and 90°F. Low temperatures or temperature fluctuations may cause product crystallization.

2) 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.

3) PRODUCT MIXING:

This product has a mix ratio of 1 gallon Part A to ½ gallon Part B. 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 such as a jiffy mixer 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.

4) PRIMING:

A suitable primer should be used before applying this product. See the front side of this technical data for primer information. If a primer is not used, more porous substrates may cause outgassing and possible surface defects.

5) PRODUCT APPLICATION:

The mixed material can be applied by brush, roller or spray. 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. This product can be used with various colored sand in a broadcast system or other suitable aggregate can be used in conjunction with this product to achieve a variety of color and application patterns. Contact your representative for details as necessary.

6) RECOAT OR TOPCOATING:

If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. 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. A standard type detergent cleaner can be used to remove any blush. Multiple coats of this product are compatible.

7) CLEANUP:

Use xylol

8) FLOOR CLEANING:

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.

9) RESTRICTIONS:

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.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

We warrant that our product is manufactured to the specifications as stated here or in other publications. All other information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABILITY OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Uncured epoxy resins, polymers and their curing agents may be ALKALINE, TOXIC OR BOTH, DEPENDING ON THE PARTICULAR SYSTEM. THEY MAY CAUSE ALLERGIC REACTIONS OR HYPERSENSITIVITY REACTIONS. BEFORE USING ANY MATERIAL, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.