



ANCHOR BOND® 100% SOLIDS EPOXY FLEX MEMBRANE

PRODUCT DESCRIPTION:

Anchor Bond® 100% Solids Epoxy Flex Membrane is a two component solids epoxy designed for sealing traffic surfaces exposed to vehicular or foot traffic.

RECOMMENDED FOR:

- ▶ Priming with broadcasting as a crack bridging sealer before application of Epoxy Mortar or Topcoats

SUBSTRATE:

This product is formulated for use in a broadcast system as the basecoat prior to installing Epoxy Mortars or other suitable Topcoats.

SOLIDS BY WEIGHT:

100% (+ - 1%)

SOLIDS BY VOLUME:

100% (+ - 1%)

COLORS AVAILABLE:

Clear (garner 3-4)

ULTIMATE ELONGATION:

60%

MIX RATIO:

1 Part A / 1 Part B

RECOMMENDED THICKNESS / YIELD:

32 sq. ft/gallon @ 50 mils thickness
160 sq. ft/gallon @ 10 mils thickness

PACKAGING INFORMATION:

2 gal kits
10 gal kits

STORAGE CONDITIONS:

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

SHELF LIFE:

One (1) year in original, unopened container

CHEMICAL RESISTANCE DATA

REAGENT	RATING
xylene	A
methanol	A
skydrol	A
10% sodium hydroxide	D
50% sodium hydroxide	D
10% sulfuric acid	C
10% HCl (aq)	C
5% acetic acid	A

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® H.S. EPOXY TOPCOAT
TENSILE STRENGTH	ASTM D-638	2,450 psi
FLEXURAL STRENGTH	ASTM D-790	2,600 psi
HARDNESS		58 Shore D

PRIMER:

None required

TOPCOAT:

Optional:

Many suitable toppings can be used. This would include products like Epoxy Mortars, two component Urethanes or Novolac Coatings.

CURE SCHEDULE:

Pot life (2 gallon volume)	15-25 minutes @ 70°F
Tack free (dry to touch)	5-8 hours @ 70°F
Recoat or topcoat	8-12 hours @ 70°F
Light foot traffic	12-24 hours @ 70°F
Full cure (heavy traffic)	2-7 days @ 70°F

**ANCHOR BOND® 100% SOLIDS EPOXY
FLEX MEMBRANE
MIXING AND APPLICATION INSTRUCTIONS**

1) PRODUCT STORAGE:

Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90°F. Low temperatures or great 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.

3) PRODUCT MIXING:

This product has a mix ratio of 1 gallon part A to 1 gallon part B, by volume. 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.

4) PRIMING:

Primers may be beneficial in some applications, dependent upon performance characteristics and substrate condition, but none are required for product application.

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. Because this material has a short pot life, it is beneficial in some applications to remove the material from the mixing pail by pouring the material onto the substrate and spreading it along the floor. Spreading out the material will allow the applicator more time to work with the material before it begins to cure. Aggregate should be broadcast into the applied material before applying suitable topcoats. 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.

6) RECOAT OR TOPCOATING:

We recommend a suitable topcoat be applied only after broadcasting suitable aggregate into the basecoat. If you recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. All previous coats that were not applied as a broadcast should be deglossed to insure a trouble free bond prior to application of recoats or topcoats. It is advisable to test topcoats for suitability prior to application when not in a broadcast system. Colder temperatures will require more cure time for the product before recoating or topcoating can commence. Before recoating or topcoating, check for epoxy blushes (a whitish, greasy film or deglossing). If a blush is present, it can be removed with any standard detergent cleaner prior to recoating or topcoating. Many epoxy coatings and urethanes as well as multiple coats of this product are compatible for use.

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.