



ANCHOR BOND® H.S. TOPCOAT (CLEAR)

PRODUCT DESCRIPTION:

Anchor Bond® High Solids Topcoat (Clear) is a two component 100% solids clear epoxy topcoat that can be used to seal quartz or flake floors where low odor, U.V. stability and anti-microbial protection is desired.

RECOMMENDED FOR:

- ▶ Kitchens
- ▶ Restrooms
- ▶ Food Processing areas
- ▶ Surgical Suites
- ▶ Animal Research Facilities

SUBSTRATE:

Anchor Bond® H.S. Topcoat is suitable for areas where a high build clear product is needed for a decorative filled floor, such as Anchor Bond® 4000 Decorative Quartz Flooring System and Anchor Bond® 4000 Epoxy Flake Flooring System.

SOLIDS BY WEIGHT:

100%

SOLIDS BY VOLUME:

100%

COLORS AVAILABLE:

Clear - gardner color 1-2

FINISH CHARACTERISTICS:

Gloss (80-90 at 60° @ Erichsen glossmeter)

MIX RATIO:

2 parts A / 1 part B

RECOMMENDED THICKNESS / YIELD:

125 sq. ft / gallon @ 13 mils thickness

PACKAGING INFORMATION:

- 3 gal kits
- 15 gal kits

STORAGE CONDITIONS:

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.

SHELF LIFE:

One (1) year in original, unopened container

CHEMICAL RESISTANCE DATA

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

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. TOPCOAT
COMPRESSIVE STRENGTH	ASTM D-695	7,000 psi
TENSILE STRENGTH	ASTM D-638	5,500 psi
FLEXURAL STRENGTH	ASTM D-790	12,100 psi

PRIMER:

Product is for topcoating only.

TOPCOAT:

Optional

Anchor Bond® CRU Urethane for added abrasion and chemical resistance.

CURE SCHEDULE:

Pot life (1 ½ gallon volume)	20-30 minutes @ 70°F
Tack free (dry to touch)	6-10 hours @ 70°F
Recoat or topcoat	8-12 hours @ 70°F
Light foot traffic	10-14 hours @ 70°F
Full cure (heavy traffic)	7 days @ 70°F

ANCHOR BOND® H.S. TOPCOAT (CLEAR) 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. The plastic sheet 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 2 Parts A to 1 Part B (by volume). 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. The material in pail is now ready to be applied to the underlayment.

4) PRIMING:

This product is only intended as a high topcoat over quartz or flake floors.

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.

6) RECOAT OR TOPCOATING:

This product is not color stable and a topcoat should be used. Many topcoats are suitable for placement over this coating including both urethanes and epoxies. When topcoating this product, you must first be sure that the coating has tacked off before topcoating. Always remember that colder temperatures will require more cure time for the product before topcoating can commence. Before topcoating, check the coating to verify no epoxy blushes were developed (a whitish, greasy film or deglossing). If a blush is present, it must be removed prior to topcoating. A standard type detergent cleaner can be used to remove any blush. Many epoxy coatings and urethanes are compatible for use as a topcoat for this product as well as multiple coats of this product as an intermediate build coat.

7) CLEANUP:

Use ketone solvents

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.