



## ANCHOR BOND® 4000 URETHANE DECORATIVE QUARTZ FLOORING SYSTEM (1/8")

### PRODUCT DESCRIPTION:

Anchor Bond® 4000 Urethane Decorative Quartz Flooring System is a quartz aggregate broadcast flooring system that combines a decorative appearance with excellent chemical, stain, wear resistance and light stability. The system is comprised of primer, undercoat, aggregate and sealer, to achieve a seamless finish.

### RECOMMENDED FOR:

- ▶ Research facilities
- ▶ Correctional institutions
- ▶ Traffic aisles
- ▶ Hospitals and healthcare facilities
- ▶ Educational facilities
- ▶ Light manufacturing areas

### SUBSTRATE:

Anchor Bond® 4000 Urethane Decorative Quartz Flooring System is suitable for application over properly prepared concrete. Not recommended for use over asphalt, mastic, gypsum based products, brick or painted surfaces. These must first be removed by mechanical means to expose the substrate prior to priming and overlayment.

### COLORS AVAILABLE:

Various colors per chart, custom blended colors also available

### RECOMMENDED THICKNESS / YIELD:

3/32" to 1/8" @ 2 to 3.2 mm. thickness

### SYSTEM OPTIONS:

Cove Base

To provide for an integral seal at the floor-wall interface. Cove bases in heights from 2" to 6" / 5 cm to 15 cm may be specified.

### TEXTURES:

Standard texture is achieved with one coat of Anchor Bond® 4000 Urethane Decorative Quartz Flooring System. An additional coat can be applied to produce less texture.

### PHYSICAL PROPERTIES

| PROPERTIES        | TEST METHOD | ANCHOR BOND® 4000 URETHANE DECORATIVE QUARTZ FLOORING SYSTEM |
|-------------------|-------------|--|
| TENSILE STRENGTH  | ASTM D-638  | undercoat 4,800 psi<br>sealer 6,000 psi                      |
| HARDNESS          | ASTM D-2240 | 60 Shore D   |
| IMPACT RESISTANCE | ASTM D-2794 | > 160 in. / lbs.   |
| HARDNESS          | ASTM D-2240 | 85 - 90 Shore D  |

### SHELF LIFE:

The shelf life is three (3) years in the original, unopened container.

### CURE RATE:

Foot Traffic: 2 hours @ 77 °F  
Normal Operations: 12 hours @ 77 °F

### PRIMER:

Anchor Bond® 100% Solids Epoxy Primer

### TOPCOAT:

*Depending on requirements of environment*  
Anchor Bond® Anchor Thane® Topcoat

### PACKAGING INFORMATION:

Anchor Bond® 4000 Urethane Decorative Quartz Flooring System is packaged in quantities requested. Material packaging is predicted by sq. ft. of flooring and lineal feet of cove base per project.

### STORAGE CONDITIONS:

Store all components in a dry area, in temperatures between 60 - 85 deg. F. Avoid excessive heat and do not freeze.

# **ANCHOR BOND® 4000 URETHANE DECORATIVE QUARTZ FLOORING SYSTEM 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.

## **2) 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.

## **3) PRODUCT MIXING:**

This product has a one to one mix ratio by volume – merely mix equal volumes such as 1 gallon of part A to 1 gallon of part B. 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. If temperatures are below 55 °F., let the material induct for ten minutes to help reduce the possibility of developing an epoxy blush.

## **4) PRODUCT APPLICATION:**

The mixed material can be applied by brush, roller or spray. Maintain temperatures within the recommended ranges during the application and curing process.

## **5) RECOAT OR TOPCOATING:**

If you opt to 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 is a reliable guideline 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 must be removed prior to topcoating or recoating. A standard type detergent cleaner can be used to remove any blush. Many epoxy overlays and coatings as well as urethanes are compatible for use as a topcoat for this product as well as multiple coats of this product.

## **6) CLEANUP:**

Use xylol

## **7) 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.

## **8) 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.