



# ANCHOR BOND® 4000 DECORATIVE QUARTZ FLOORING SYSTEM

## PRODUCT DESCRIPTION:

Anchor Bond® 4000 Decorative Quartz is an industrial strength, seamless, decorative flooring system.

## RECOMMENDED FOR:

- ▶ Seamless, free flowing
- ▶ Engineered with a textured surface for slip resistance
- ▶ Cost effective alternative for light traffic applications
- ▶ Commercial & Industrial applications
- ▶ Ideal for Research Facilities
- ▶ Correctional Institutions
- ▶ Hospital / Healthcare Facilities
- ▶ Educational Facilities
- ▶ Light Manufacturing Areas

## SUBSTRATE:

Anchor Bond® 4000 Decorative Quartz Flooring System is suitable for application over properly prepared concrete that does not require renovation. In most cases, this will be new or very smooth concrete. This system is not recommended for use over wood, brick, tile, asphalt, mastic, gypsum based products or painted surfaces. These must first be removed by mechanical means prior to priming and overlayment.

## SOLIDS BY WEIGHT:

100%

## SOLIDS BY VOLUME:

100%

## COLORS AVAILABLE:

Various Quartz blended colors per chart, custom blended colors also available.

## RECOMMENDED THICKNESS:

1/4"

## SYSTEM OPTIONS:

*Cove Base*

To provide for an integral seal at the joint between the floor and the wall. Cove bases in heights from 2" to 6" / .5cm to 15cm are available.

## TEXTURES:

*Standard or Medium Texture*

Sealer is applied at a thickness that will produce the desired texture.

## FINISH CHARACTERISTICS:

Smooth or Medium texture. Finish is determined by safety and cleaning requirements in areas to be coated.

## PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	ANCHOR BOND® 4000 DECORATIVE QUARTZ FLOORING SYSTEM
COMPRESSIVE STRENGTH	ASTM C-579	10,000 psi
FLEXURAL STRENGTH	ASTM C-580	4,000 psi
TENSILE STRENGTH	ASTM C-307	1,750 psi
FLEXURAL MODULUS OF ELASTICITY	ASTM C-580	2.0 x 10 <sup>6</sup> psi
COEFFICIENT OF THERMAL EXPANSION	ASTM C-531	1.5x 10 <sup>-5</sup> in. / in. °C
WATER ABSORPTION	ASTM C-413	0.2%
IMPACT RESISTANCE	ASTM D-2794	> 160 in. / lbs.
HARDNESS	ASTM D-2240	85 - 90 Shore D
HEAT DEFLECTION TEMP	150.0 deg. F @ ASTM D648, 1/2" X 1/2" bar, span 4	

\* Scale of 1 to 4, 1 Being least growth

## PRIMER:

Anchor Bond® 100% Solids Epoxy Primer

## TOPCOAT:

Anchor Bond® H.S. Topcoat

## CURE SCHEDULE:

Foot Traffic:	12 hours @ 77 °F
Normal Operations:	24 hours @ 77 °F

## STORAGE CONDITIONS:

Store all components in a dry area at temperatures between 60° to 85° F / 16° to 30° C. Avoid excessive heat and do not freeze.

## PACKAGING INFORMATION:

Anchor Bond® 4000 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.

## SHELF LIFE:

One (1) year in original, unopened containers

**ANCHOR BOND® 4000 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) SYSTEM COMPONENTS:**

- Anchor Bond® 100% Solids Primer (2 coats)
- Anchor Bond® 2500 Epoxy
- Quartz Aggregate
- Anchor Bond® H.S. Topcoat (Clear)

**4) APPLICATION INSTRUCTIONS:**

- Anchor Bond® 100% Solids Primer is mixed, applied by squeegee and backrolled with a medium nap roller
- While primer is still wet, trowel apply Anchor Bond® 2500 Epoxy  
Mixing instructions are listed below:
  - 1) Measure 66 liquid oz. Anchor Bond® Slurry Broadcast Resin (Part A)
  - 2) Measure 11 liquid oz. Anchor Bond® Slurry Broadcast Hardener (Part B)
  - 3) Pour pre-measured Part A and Part B liquids into a Mortar mixer and allow to mix for one minute. While Mortar mixer is turning, pour entire contents of 1 (34#) bag of Anchor Bond® 2500 Aggregate into the Mortar mixer. Allow to mix until all aggregate is fully wet in appearance.
- Once Anchor Bond® 2500 has hardened, lightly grind entire surface to get rid of any trowel marks and filler build up left behind from trowels
- Anchor Bond® 100% Solids Primer is mixed, applied by squeegee and backrolled with a medium nap roller
- Quartz aggregate is broadcast to rejection into the freshly applied undercoat, while it is still wet. (Allow at least 8 hours to cure)
- After primecoat has hardened, sweep floor to remove excess aggregate and vacuum loose aggregate

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- Anchor Bond® H.S. Topcoat is then mixed and applied. For a standard or medium texture, the sealer is applied using a rigid, notched or non-rubber squeegee and then rolled using a medium nap roller. For an aggressive texture, the sealer is applied using a flexible rubber squeegee and then rolled using a saturated medium nap roller.

**5) CLEANUP:**

Use xylol

**6) 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.

**7) 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.