



ANCHOR BOND® 4000 URETHANE DECORATIVE QUARTZ FLOORING SYSTEM (1/4")

PRODUCT DESCRIPTION:

Anchor Bond® 4000 Urethane Decorative Quartz Flooring is a self-priming, textured, four component, polyurethane mortar and broadcast system consisting of a urethane-urea binder, pigments, powders and quartz aggregates. The system also includes a high performance, chemically resistant polyaspartic urethane sealer.

RECOMMENDED FOR:

- ▶ High impact resistance
- ▶ Abrasion, wear, temp and chemical resistance
- ▶ Ideal for food and beverage industries

COLORS AVAILABLE:

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

RECOMMENDED THICKNESS:

¼" / 6 mm.

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.

SUBSTRATE:

Anchor Crete® 4000 is suitable for application over concrete and grout. Not recommended for use on asphalt, mastic, or painted surfaces. These must first be removed by mechanical means to expose the substrate prior to overlayment.

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.

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	ANCHOR BOND® 4000 URETHANE DECORATIVE QUARTZ FLOORING SYSTEM (1/4")
COMPRESSIVE STRENGTH	ASTM C-579	8,300 psi
FLEXURAL STRENGTH	ASTM C-580	2,700 psi
TENSILE STRENGTH	ASTM C-307	1,000 psi
MODULUS OF ELASTICITY	ASTM C-580	2.6 x 10 ⁶ psi
COEFFICIENT OF THERMAL EXPANSION	ASTM C-531	13 x 10 ⁻⁶ in. / in. °F
IMPACT RESISTANCE	ASTM D-2794	160 in. / lbs.
HARDNESS	ASTM D-2240	80 - 84 Shore D

PRIMER:

No priming is necessary.

TOPCOATS AVAILABLE:

Anchor Bond® Anchor Thane® Topcoat
Anchor Bond® CRU Urethane

CURE SCHEDULE:

Foot Traffic: 4 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.

SHELF LIFE:

Two (2) years for the isocyanate and polyol and 6 months for Part C-1 in their original, unopened containers.

**ANCHOR BOND 4000® URETHANE DECORATIVE
QUARTZ FLOORING SYSTEM (1/4")
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:

Underlayment

Measure ½ gallon of Anchor Crete® Resin Part A and ½ gallon of Anchor Crete® Hardener Part B. 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 (45#) bag of Anchor Bond® Anchor Crete® QTA Aggregate into the Mortar mixer. Allow to mix until all aggregate is fully wet in appearance.

4) SYSTEM COMPONENTS:

For application, follow these instructions

- Anchor Bond® Anchor Crete® QTA Urethane
- Quartz Aggregate
- Anchor Bond® Anchor Thane® 100 (Clear)

5) APPLICATION INSTRUCTIONS:

- Anchor Bond® Anchor Crete® QTA is mixed and trowel applied
- 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, lightly scrape floor with a steel squeegee, sweep to remove excess aggregate and vacuum loose aggregate
- Anchor Bond® Anchor Thane® 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.

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.