



ANCHOR BOND® 4000 FLAKE FLOORING SYSTEM (FULL)

PRODUCT DESCRIPTION:

Anchor Bond® 4000 Flake Flooring System is a vinyl chip broadcast flooring system that combines a decorative appearance with excellent chemical, stain, wear resistance and light stability. The system is comprised of primer, undercoat, vinyl chips 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 Flake 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 Flake Flooring System. An additional coat can be applied to produce less texture.

PHYSICAL PROPERTIES

PROPERTIES	TEST METHOD	ANCHOR BOND® 4000 FLAKE FLOORING SYSTEM
TENSILE STRENGTH	ASTM D-638	undercoat 4,800 psi 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

CURE RATE:

At 77° F / 25° C

Foot Traffic:	2 hours
Normal Operations:	12 hours

PRIMER:

Anchor Bond® 100% Solids Epoxy Primer

TOPCOAT:

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

PACKAGING INFORMATION:

Anchor Bond® 4000 Flake 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° F. Avoid excessive heat and do not freeze.

SHELF LIFE:

The shelf life is one (1) year in the original, unopened container.

ANCHOR BOND® 4000 FLAKE FLOORING SYSTEM (FULL FLAKE) 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:

For FULL Flake System

- Anchor Bond® 100% Solids Epoxy Primer
- Anchor Bond® Slurry Broadcast Liquids
- Decorative Flakes (1/4" or 1/8")
- Anchor Bond® H.S. Topcoat

For LIGHT Flake System

- Anchor Bond® 100% Solids Epoxy Primer
- Anchor Bond® CRU Urethane (Pigmented)
- Decorative Flakes (1/4" or 1/8")
- Anchor Bond® CRU Urethane (Clear)

(Only one broadcast is done for Light Flake system)

4) APPLICATION INSTRUCTIONS:

- Anchor Bond® 100% Solids Epoxy Primer is mixed, applied by squeegee and backrolled with a medium nap roller
- Decorative Flake 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
- Anchor Bond® Slurry/Broadcast Liquids are mixed and applied to the floor using a squeegee and then backrolled to uniformly distribute the material and promote surface leveling
- Decorative Flake is broadcast to rejection into the freshly applied midcoat, while it is still wet. (Allow at least 6 hours to cure)
- After midcoat has hardened, lightly scrape floor with a steel squeegee, sweep 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.

Note: If 3/16" floor is desired, an additional 2 broadcasts of specialty aggregates are required to obtain desired thickness. Follow instructions above for additional broadcasts.

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 MERCHANTABLE 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.