



Vanberg Specialized Coatings

Armor-Stone X'tra Fast

Product Information Data Sheet

PRODUCT DESCRIPTION:

ARMOR-STONE X'TRA FAST is a three-component, self-priming, 100% solids epoxy mortar designed for applications where rapid high strength, fast return to service, and chemical resistance repair is needed.

RECOMMENDED USES:

ARMOR-STONE X'TRA FAST is recommended for livestock facilities, cold storage areas, freezers, walkways, ramps, concrete beams, foundations and support bases for tanks and floors. Accepts VSC color additive. **NOT RECOMMENDED FOR:** Immersion applications for active solvents.

PACKAGING:

.375-gallon kit (1.4 L) of ARMOR-STONE X'TRA FAST Epoxy Liquids.
15-gallon kit (56.8 L) (makes 40 .375-gallon units)

Aggregate Options:

35 lb. (15.9 kg) Bag of ES NATURAL aggregate admix
35 lb. (15.9 kg) Bag of G-DIAMOND aggregate admix

COVERAGE:

Batch Mix – 12 – 13 sq. ft. (1.1-1.2 m²) @ ¼ inch (0.6 cm) of .375 gal. (1.4 L) ARMOR-STONE X'TRA FAST LIQUIDS and 25 lbs. selected aggregate

Topcoat – Optional Systems available

LIMITATIONS:

- For technical support call 1-800-874-0631
- Use for interior applications (UV exposure can discolor).
- DO NOT thin EPOXY without consulting VSC.
- All new concrete must be cured for at least 30 days @ 75°F (24°C) prior to application.
- DO NOT use when humidity exceeds 75% indoors.
- Allow to dry tack-free before top coating.
- Discard any material subjected to freezing.
- DO NOT apply to structurally unsound surfaces.
- Apply test patch to ensure adhesion.
- Color stability may be affected by environmental conditions such as high humidity or chemical exposure.
- Contact VSC where moisture vapor transmission may be present.
- Follow directions carefully.

SURFACE PREPARATION:

The substrate must be clean, dry and sound with new concrete cured for at least 30 days at 70°F (21°C). A moisture test is recommended. Remove dust, laitance, grease, curing compounds, waxes, foreign particles, disintegrated or soft base materials, and any previously applied potentially incompatible coatings. Create a surface profile on the surface by steel shot blasting, mechanical abrasion or acid etching (VSC CONCRETE CLEAN & ETCH). Repair cracks and joints with VSC's repair products. For additional concrete preparation information and methods, refer to VSC's Surface Preparation Guide. If the concrete surface is not prepared properly, product adhesion can be a problem.

MIXING:

Avoid mixing and application of this product if the floor temperature is below 55°F (10°C) or above 85°F (29°C). Also avoid application if the humidity is higher than 75% R.H. The product temperature should be at or near 70°F. The temperature of the floor, materials and air in the

GENERAL PRODUCT DATA	
Mixing Ratio	2 parts Resin to 1 part Hardener
Coverage (Theoretical)	12 – 13 sq. ft. (1.1-1.2 m ²) @ ¼ inch (0.6 cm) of .375 gal (1.4 L) ARMOR-STONE X'TRA FAST LIQUIDS and 25 lbs. (11.3 kg) selected aggregate
Application Method	Trowel, screed rake
Recoat	2-3 hours @ 75° F (24°C)
Cure Time	Working Time, 15 minutes @ 75° F (24°C) Recoat/Dry Time, 2-3 hours @ 75° F (24°C)
Clean Up	Solvent 101 or xylol
Pot Life	70 F (21°C) and 50% R.H., this epoxy has a useful pot life of approximately 15 minutes

area of the installation all play a role in how the product will apply and cure.

For pre-packaged kits: Carefully pour entire contents of Hardener and the Resin into a container. DO NOT change the ratio of Hardener to Resin. Blend thoroughly for 2 minutes with a spiral-mixing blade (PROP MIXER #TS46565) attached to a low-speed (400-600 RPM) 1/2-inch electric drill. Take care not to induce air into the material during mixing. Pour the mixed liquids into a 5-gallon pail mixer (#TSKM5825). Pour in 25 lbs. of aggregate and mix thoroughly in the pail mixer.

Colorants: VSC Colorants can be added at the rate of 5 fl. Oz. per batch. VSC EPOXY CATALYST can be mixed into the batch to hasten cure at the rate of 2 fl. Oz.

POT LIFE:

At 70 F (21°C) and 50% R.H., this epoxy has a useful pot life of approximately 15 minutes. If the product or conditions become warmer the pot life and working times will be shortened significantly. Using any product beyond the useful life will result in variable results and therefore any mixed product beyond the pot life should be discarded. Apply all material to the floor as quickly as possible to increase working time. If product begins to heat or steam do not put it on the floor (Discard).

APPLICATION:

To burm or cove: Apply the cove prior to placing the floor overlay using a cove trowel.

To apply mortar: Pour each mix onto the floor and spread it out to cover an area of approximately 12 sq. ft. (1.1 m²) with the trowel edge (this is called screeding). A screed rake can be used. Then use the trowel edge to spread it to a uniform thickness. **Do not attempt to smooth the surface during the spreading process.** The idea is to produce as level a layer as possible at this stage. Use the trowel like a snowplow blade and slide it lightly over the top of the loose mortar.

NOTE: ARMOR-STONE must be trowelled 1/8" or greater.

To finish surface: Use strokes that are slow and put pressure on the trowel. This packs the aggregate particles together and smoothes the surface. A method that works well for compacting is to put both hands on the trowel and then lean into the trowel and push away from you. The return stroke should be slow to avoid pulling apart the compacted material. Use more of the flat edge of the trowel and slight amount of **SOLVENT 101** to lubricate the trowel surface and to

put a smooth and tight finish on the mortar. Use long side-to-side strokes to put the finish on. There should be no open or porous areas on the surface when the compacting process is completed.

CLEAN UP:

To keep trowels clean and easy to work with, clean off the epoxy liquid film that collects on the trowel blade with **SOLVENT 101** or xylol.

DISPOSAL:

Empty containers may contain product residue, including flammable or combustible vapors. Do not cut, puncture or weld near these containers. Label warnings must be observed until containers have been commercially cleaned or reconditioned. Containers to be thrown out must be disposed of in accordance with federal, state and local regulations. Use only licensed hazardous waste disposal companies if required.

MAINTENANCE:

For optimal floor appearance and performance following installation, refer to VSC's Floor Maintenance Instructions.

CUSTOMER NOTE:

For information on application situations not covered above, contact your VSC representative.

WARRANTY STATEMENT

Information about VSC products is given to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you will make your own tests to determine the suitability of the product for your particular purpose. As products are often applied or used under conditions beyond our control, VSC cannot guarantee anything but the quality of its products. VSC warrants that its products meet the specifications set forth by VSC, but we reserve the right to change any given specification without prior notice. VSC DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of VSC products constitutes acceptance of the terms of this limited warranty and the terms and the conditions set out in our invoice, contrary provisions of buyer's purchase documents notwithstanding. Upon receipt of merchandise, purchaser has 30 days to notify VSC in writing that materials are defective. In the event VSC finds that the product delivered is off specification, VSC will, at its sole discretion, either replace the product or refund the purchase price thereof, and VSC's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of VSC exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. VSC will under no circumstances be liable for special, incidental or consequential damages. This warranty supersedes all other guarantees, whether oral or written, and whether expressed, implied or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals which may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.



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August 18, 2015
Data Sheets/ARMOR-STONE X'TRA FAST MORTAR (CRK)