

ARMOUR DYE

Translucent, Exterior/Interior, UV Stable Concrete Dye Available in 28 Colors

Product Description

Armour Dye is a translucent, UV stable dye, formulated using color designed to penetrate exterior and interior cementitious surfaces. Armour Dye creates a unique, multi-colored translucent color scheme that unlike paints, will not crack, chip or peel. Armour Dye is available in 28 standard colors but can be combined to create an unlimited color palate that creates a similar mottling or marbleized effect, when used properly. Create the look of a beautiful, custom acid stained floor in about 1/3 of the time.

Benefits & Features

- 28 great color choices in neutral and vibrant varieties
- Very economical way to finish and beautify most types of exterior or interior concrete
- Exterior Armour Dyed floors are a low maintenance alternative to many popular flooring systems
- Provides a beautiful mottled effect similar to the likes of acid stains but will not fade under UV rays.

Recommended Applications

Armour Dye is recommended for most cured, unsealed exterior and interior concrete substrates. Do not apply to a floor that has been sealed until all sealer has been completely removed and the concrete is acid etched or diamond ground per ASTM Specs.

Technical Information

Solids	<10%	Wet Appearance	Colored Liquid
Drying Time	Approx. 5 minutes	Dry Appearance	Colored Powder
Re-Coat Time	Refer to Directions	VOC Content	<50 g/l
Foot Traffic	Refer to Directions	Blush Resistance	N/A
Wheel Traffic	Refer to Directions	Solvent Resistance	N/A
Application Temp	40°F - 85°F	Concrete Penetration	Excellent

***Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

Specifications/Compliances

Armour Dyes are VOC and OTC compliant in all areas of the United States and many foreign nations.

Approximate Coverage Rates

New and Old (unsealed) concrete 600 - 700 ft²

*Coverage rates above reflect approximate coverage of finished product (per gallon) applied per instructions. Coverage rates will vary significantly and will be determined upon the surface porosity of the concrete as well as the application style.

Shelf Life

Armour Dye has a shelf life of one-two years in it's original, sealed, unopened container.

Packaging

Armour Dye is packaged and stocked in half gallon and 2 gallon containers.

ORRVILLE

133 North Kohler Road
Orrville, Ohio 44667
(330) 682-5678

CLEVELAND

7941 Granger Road
Cleveland, Ohio 44125
(216) 573-0770

COLUMBUS

690 Harrison Drive
Columbus, Ohio 43204
(614) 253-3326



www.eco-cretesupply.com

Instructions for Use

Surface Preparation: Test areas are strongly recommended on the actual surface of the proposed application. Testing in several areas of the concrete will better determine suitability, coverage, adhesion and approximate final results. The application area should be clean and free from all forms of dirt, oil, alkali, paint, cure and seals, and any other form of containment. The concrete surface must be prepped within the proper ASTM guidelines for the specific type of protective coating to be used. Failure to open the pores of the surface adequately may result in delamination. Diamond grinding is the preferred method for most applications, however, a thorough acid etch may be sufficient if done properly. Apply a test spot to check for sufficient adhesion to the substrate prior to doing the entire job. Protect all areas not to be dyed accordingly. Apply Armour Dye only to dry, cured, neutral concrete surfaces.

Mixing: Armour Dye is packaged only in a liquid form which needs to be mixed with acetone in half gallon, 2 gallon or 10 gallon increments. Mix Armour Dye into appropriate amount of acetone per instructions (this will depend on the size of the bottle purchased). Using the re-closable acetone container is recommended for mixing. Blend the mixture by stirring the open container, or by shaking the closed container for 30 seconds. If a slower drying solution that will create a better mottled effect is desired, add the recommended amount of Armour Dye penetration and mottling agent at any time prior to application, per instructions. Armour Dye penetration and mottling agent is not recommended for porous concrete surfaces. Do not use any form of electrical equipment to mix the dye with the acetone.

Warning: It is recommended to follow the manufacturer of the acetone's instructions and the safety data sheet (SDS) for exposure limitations and safe handling practices. Acetone is highly flammable! Do not smoke! Turn off all portable heaters and gas pilot lights. Extinguish all open flames prior to use! Avoid sparks!

Product Application: Apply Armour Dye using an acetone sprayer with a #6 or #8 tip, keeping the tip approximately 24" from the surface. Apply in uniform circular motion, not allowing the dye to puddle. Apply at a rate of 600-1,000 sq. ft. per gallon. The concrete surface should appear wet for just a few moments when applied properly. Mop up any puddle or excess dye with a clean rag to allow the surface to dry evenly. Allow Armour Dye to dry approximately 30 minutes prior to applying sealer or protective coating. For polishing applications it is recommended to use Polishing Dye. DO NOT OVER APPLY! Over applying may result in delamination. In high heat conditions, add up to 4 oz. of Armour Dye Penetration and Mottling Agent to retard dry time.

Cleaning: Between dye and sealer application, no cleaning or buffing is required.

Sealing: Seal Armour Dye a low viscosity, sprayable sealer. Use appropriate sprayer and tip per individual sealer instructions. Two coats are recommended for superior protection. It is not recommended to roll-on the first coat of sealer over Armour Dye, as it may reactivate the dye.

Waxing: When using a floor wax, allow sealer to dry and completely cure for 3-4 days. Apply wax per manufacturer's specifications.

Clean-Up

Use Xylene. Dispose of containers in accordance with local and federal regulations.

Product Removal

Armour Dye is a concrete dye and can not be chemically stripped. A commercial sand blaster, floor sander, diamond grinder, or another similar mechanical machine is necessary.

Precautions & Limitations

- Armour Dye will not freeze in storage, however, storage in areas between 50°F and 85°F is recommended
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed
- Armour Dye is extremely flammable (finished product). Do not smoke.
- It is not recommended to apply Armour Dye over carpet, tile, and other types of floor adhesives
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.
- Armour Dye should only be used at the recommended dilution rate (never straight)
- Armour Dye should only be sprayed. Refer to instructions above prior to use.
- It is recommended to seal over Armour Dye with UV resistant coatings only.
- Armour Dye may be mixed to form various colors. Note, we cannot be held responsible for color outcome.
- Armour Dye is permanent application. Please test prior to use.

Special Notes

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

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