



FLASH DYE EXT

TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Flash Dye EXT is a translucent, UV stable dye, formulated using color designed to penetrate exterior and interior cementitious surfaces. **Flash Dye EXT** creates a unique, multi-colored translucent color scheme that unlike paints, will not crack, chip, or peel. **Flash Dye EXT** is available in 28 standard colors but can be combined to create an unlimited color palate that creates a similar mottling or marbled 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.
 Flash Dye EXT 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

Flash Dye EXT 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

Flash Dye EXT are VOC and OTC compliant in all areas of the United States and many foreign nations.

APPROXIMATE COVERAGE RATES

<u>Application Surface</u>	<u>First Coat</u>	<u>Optional Second Coat</u>
New and Old (unsealed) concrete	400-600 ft ²	400-600 ft ²

*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

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

PACKAGING

Flash Dye EXT is packaged and stocked in 4 oz (1 quart), 16 oz. (1 gallon), and 128 oz. (5 gallon) containers. (finished product)

INSTRUCTIONS FOR USE

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 & seals, and any other form of contaminant. The concrete surface must be prepped within the proper ASTM guidelines for the specific type of protective coating to be used. 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 Flash Dye EXT only to dry, cured, neutral concrete surfaces.

MIXING: Flash Dye EXT is packaged only in a liquid form which needs to be mixed with acetone in 1 quart, 1 gallon, or 5 gallon increments. Mix Flash Dye EXT 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 *Flash Dye Penetration and Mottling Agent* at any time prior to application, per instructions. *Flash 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 acetones instructions and the material safety data sheet (MSDS) 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!

APPLICATION: Apply Flash Dye EXT using a **Preval** Sprayer an acetone sprayer with a #6 or #8 tip, keeping the tip approximately 24 inches from the surface. Apply in a uniform circular motion, not allowing the dye to puddle. 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 Flash Dye EXT to dry for approximately 5 minutes. For polishing applications it is recommended to use interior version Flash Dye.

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

SEALING: Seal Exterior Flash Dye EXT using our Kingdom Cure or Regal Gloss sealers. Two coats are recommended for superior protection. **It is not recommended to roll-on the first coat of sealer over Exterior Colour Dye, as it may reactivate the dye.**

CLEAN-UP

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

PRODUCT REMOVAL

Flash Dye EXT 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 AND LIMITATIONS

Flash Dye EXT 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.

Flash Dye EXT is extremely flammable (finished product). Do not smoke.

It is not recommended to apply **Flash Dye EXT** over carpet, tile, and other types of floor adhesives.

Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.

Flash Dye EXT should only be used at the recommended dilution rate (never straight).

Flash Dye EXT should only be sprayed. Refer to instructions above prior to use.

It is recommended to seal over **Flash Dye EXT** with UV Resistant coatings only.

Flash Dye EXT may be mixed to form various colors. Note, we cannot be held responsible for color outcome.

Flash Dye EXT is a permanent application. Please Test prior to use.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use.

For color selection, please request a color chart. FOR PROFESSIONAL USE ONLY!

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