



# FLASH DYE EXT

## TRANSLUCENT, UV STABLE INTERIOR OR EXTERIOR DYE TECHNICAL DATA & APPLICATION INSTRUCTION

### PRODUCT DESCRIPTION

**Flash Dye EXT** is a translucent, UV stable dye, formulated using color designed to penetrate exterior and interior cured cementitious surfaces. **Flash Dye EXT** creates a unique, multi-colored translucent color scheme that when applied to a properly prepared surface, will not crack, chip, or peel. **Flash Dye EXT** is available in 28 standard colors that can be combined to create an unlimited color palette. When used properly, mottling or marbled effects similar to that of beautiful, custom acid stained floors can be achieved in about 1/3 of the time.

### BENEFITS/FEATURES

- 28 great color choices in neutral and vibrant varieties.
- Provides a beautiful mottled effect similar to the look of acid staining.
- Flash Dye EXT dyed floors are a low maintenance alternative to many popular flooring systems.
- Very economical way to finish and beautify most types of exterior or interior concrete.
- UV Stable

### 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.....	5 minutes	Dry Appearance.....	colored liquid
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** is VOC and OTC compliant in all areas of the United States and many foreign nations.

### APPROXIMATE COVERAGE RATES

#### Application Surface

Unsealed, Cured Concrete 400-600 sq ft/gal

*\*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 to two years in it's original, sealed, unopened container.

### PACKAGING

**Flash Dye EXT** is packaged & stocked in 4 oz. (makes 1 quart), 16 oz. (makes 1 gallon) & 128 oz. (makes 5 gallons) containers.

**PREPARATION:** All new concrete must be **cured** for at least 28 days prior to application. It is strongly recommended to test areas 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 in a liquid form which needs to be mixed with acetone before use. Add Flash Dye into appropriate amount of acetone per instructions (this will depend on the size of the container purchased). Using the re-closable acetone container is recommended for mixing/storage. 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 Penetrating & Mottling Agent* at any time prior to application, per instructions. *Flash Dye Penetrating & 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 acetone manufacturer's 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 or 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 use Flash Dye INT.**

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

**SEALING:** Use a low viscosity, sprayable sealer to seal Flash Dye EXT. Use appropriate sprayer and tip per individual sealer instructions. Two coats are recommended for superior protection. It is NOT recommended to roll the first coat of sealer over Flash Dye EXT, as it may reactivate the dye.

**WAXING:** When using a floor wax to polish, allow sealer to dry and cure for 3-4 days before applying wax. Then follow manufacturer's specifications for application instructions. We recommend Kingdom Products' *Cherry Wax*, available in *Matte* or *High Gloss*.

## CLEAN-UP & PRODUCT REMOVAL

Use Xylene. Dispose of containers in accordance with local and federal regulations. **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 method is necessary.

## PRECAUTIONS AND LIMITATIONS

- All new concrete must be **cured** for at least 28 days prior to application.
- **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 blocked prior to application so solvent fumes are not distributed.
- Do not smoke anywhere near the **Flash Dye EXT**; it and the prepared product are extremely flammable.
- 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, etc.
- **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 a UV Resistant coating.
- **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. Please Test prior to use. FOR PROFESSIONAL USE ONLY!

