



FLASH DYE INT

TRANSLUCENT, INTERIOR, POLISHING CONCRETE DYE TECHNICAL DATA & APPLICATION INSTRUCTION

PRODUCT DESCRIPTION

Flash Dye INT is a translucent dye, formulated using very fine particles of color, designed to penetrate and color interior, cured cementitious surfaces, including polished concrete. **Flash Dye INT** creates a unique, multi-colored translucent color scheme that unlike paints, will not crack, chip, or peel. **Flash Dye INT** is available in 20 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

- 20 great color choices in neutral and vibrant varieties.
- Very economical way to finish and beautify garage and basement floors.
- Low maintenance alternative to many popular flooring systems.
- Provides a beautiful mottled effect similar to the look of acid staining.

RECOMMENDED APPLICATIONS

Flash Dye INT is recommended for garages, restaurants, grocery stores, showrooms and most cured, unsealed interior concrete substrates where a colored, polished floor is desired. Do not apply to a floor that has been sealed prior until all sealer has been completely removed and the concrete is acid etched or diamond ground per ASTM Specs.

TECHNICAL INFORMATION

Solids.....	n/a	Wet Appearance.....	colored liquid
Drying Time.....	approx. 1 minute	Dry Appearance.....	colored powder
Re-Coat Time.....	Refer to Directions	VOC Content.....	0 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 INT are 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 INT has a shelf life of one to two years in it's original, sealed, unopened container.

PACKAGING

Flash Dye INT is packaged in 1 quart, 1 gallon & 5 gallon kit sizes and available by special order only.

PREPARATION: All new concrete must be **cured** for at least 28 days prior to application. 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, 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. Protect all areas not to be dye accordingly. Apply Flash Dye INT only to dry, neutral concrete surfaces.

MIXING: Flash Dye INT is packaged only in a powder form which needs to be mixed with acetone in 1 quart, 1 gallon, or 5 gallon increments. Empty Flash Dye INT 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. Allow the mixture to dissolve for at least 3 hours prior to application. 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. It is recommended to follow the instructions from the manufacturer of the acetone and the safety data sheet (SDS) for exposure limitations and safe handling practices.

APPLICATION: Apply Flash Dye INT 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 INT to dry for approximately 1 minute. When using Flash Dye INT in conjunction with polishing, apply the dye after polishing with a 400 grit resin. If needed, a second application of Flash Dye INT may be applied prior to the final cycle.

CLEANING: Flash Dye INT may leave residual dye on the surface after each application. It is recommended to dry buff using a buffer/burnisher with a white pad to remove loose dye. Vacuum or dust mop loose dye prior to sealing application. The use of water to clean and remove loose dye is NOT recommended. When polishing, neglecting to clean residual dye can affect resin performance.

SEALING: In most cases, Flash Dye INT will be sealed in conjunction with the polishing process. If not polishing, use 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 the first coat of sealer over Flash Dye INT, as it may reactivate the dye.

CLEAN-UP & PRODUCT REMOVAL

Use Xylene. Dispose of containers in accordance with local and federal regulations. **Flash Dye INT** is a concrete dye and can not be chemically stripped. A commercial 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 INT** will not freeze in storage, however, storage between 50°F and 85°F is recommended.
- All HVAC ventilation ducts should be blocked prior to application so solvent fumes are not distributed.
- Once prepared, **Flash Dye INT** is extremely flammable. Do not smoke near application area.
- It is NOT recommended to apply **Flash Dye INT** over carpet, tile, and other types of floor adhesives.
- Coverage rates depend upon many conditions including application method, surface porosity, etc.
- **Flash Dye INT** was designed for interior concrete. It is not recommended for exterior applications.
- **Flash Dye INT** should only be sprayed. Refer to instructions above prior to use.
- It is recommended to seal **Flash Dye INT** in accordance with the polishing process.
- **Flash Dye INT** may be mixed to form various colors. **Note:** we cannot be held responsible for color outcome.
- **Flash Dye INT** 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!