CRMX
CONCRETE CHEMICALS

TECHNICAL DATA SHEET

CRMX™ PRECISION DYE

DESCRIPTION

PRECISION DYE™ is a liquid dye concentrate designed to add color to new or existing interior concrete surfaces and cementitious overlays. PRECISION DYE™ is also useful in adjusting or correcting acid stain projects.
GMI Precision Dye is a liquid dye that adds color to existing interior concrete. This coloring method provides an elegant decorative appearance without the lengthy and hazardous process of acid-based chemical staining. Nano-particles allow the color to penetrate the concrete resulting in a durable treatment that will not wear away with traffic. Precision Dyes are pH neutral and have an extremely wide range of compatibility from water based carriers to oil based sealers and epoxy fillers.

DYE PREPERATION

Precision Dye Concentrate is intended to be used as a base tint and to be transferred into a 1-gallon container. Fill the remainder of the 1-gallon vessel with desired carrier. Use clean water, acetone or carrier material to rinse residue from the concentrate bottle and transfer wash material into the 1-gallon mixing vessel. Add clean water, acetone or desired carrier to mixing vessel and fill to a final volume of 1 complete US Gallon

FEATURES AND BENEFITS

- Multiple carrier compatibility
- Neutral pH
- Functional, ecological, and economical
- Deep penetration
- No dwell time after mixing
- Uniform color distribution
- Single component colors
- Non-hazardous system
- UV resistance
- Quick curing
- Long shelf life
- Mixable, for on-the-job tinting

TECHNICAL DATA

- ✓ Interior Concrete
- ✓ Overlay Toppings
- ✓ Stencil Designs
- ✓ Polished Concrete
- ✓ Acid Stain Repair
- ✓ Acid Stain Accent

COVERAGE/APPLICATION RATE

Approximately 400 square feet per gallon
Coverage rates are variable depending on the porosity of the concrete substrate being applied. Additional product may be applied for a deeper or richer desired color.

Note: Coverage rates may vary slightly depending on the spray delivery system and/or operator and/or both.

POLISHING

Polish surface to between 200 and 400 grit with a resin bonded tool. Apply Precision Dye to desired saturation rate or visual appearance. Apply concrete densifier product to newly dyed surface. Allow densifier material to completely dry. Continue polishing floor to desired gloss level. Apply concrete sealer or polish guard per manufacturer's instructions. If more intense color is desired, be sure to apply the final coat prior to sealer or polish guard.

SEALING

The newly colored surface must be sealed with a clear concrete sealer to lock in and protect the color. If dye residue is present, remove with a buffing pad and tack cloth. Do not use water.

A light initial coat of sealer should be applied to the dyed surface with a pump sprayer to lock in the dye. Apply sealer per the manufacturer's instructions. If using water based dyes, wait 4 hours to start sealing with a water based sealer and 8 hours for a solvent based sealer. If using acetone based dye, you can seal immediately.

Application

Best results are achieved in large areas using a LPHV pump-up sprayer using a conical, fine spray tip. Small areas can be brushed using a circular motion to avoid brush strokes. Take care to maintain a wet edge to avoid bleed lines. Do not apply more material than the surface will absorb in 1 minute. Prior to application, tape a piece of cloth or a small container to the sprayer body to catch drips while not spraying the material. Place the tip of the spray wand on the cloth or into the container immediately after releasing the spray handle. Apply the dye uniformly to obtain a more uniform final appearance. Apply in a random circular motion with some overlapping to generate a more mottled look and more closely resemble acid stain. Colors may be blended to produce an infinite pallet or applied over a base color for a unique look. Depending on the depth of color that is desired, more than one application may be required. If using acetone as the dilution carrier for the dye, the colored surface can be sealed 30 minutes after the dye has been applied. The surface may be sealed with a clear concrete sealer to lock in and protect the color. If using a water based sealer, a light initial coat should be applied to the dyed surface with a pump sprayer to "lock-in" the dye. Apply the sealer per the manufactures instructions.

Always do a test spot in an inconspicuous place before proceeding with the product. Protect the finished coat of sealer from scratching. Apply 2-3 coats initially per the labels instructions. Touch up periodically as the regular maintenance routine requires. Keep a container of clean water or acetone available and place the end of the sprayer wand into the liquid between applications. This will keep the tip from becoming clogged. Use clean water or acetone to rinse the sprayer when changing color in the mixing vessel or sprayer.

TECHNICAL

VOC: <15g/L

HMIS:

Health	1	Flammability	1
Reactivity	0	Protection	8

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