



Diama-Color Penetrating Micro Dye

Item No: DPC – 100 – 6

1. Description

DiamaPro® Diama-Color is a proprietary micro dye formulated to penetrate and impart color within the polished concrete process. **DiamaPro® Diama-Color** is enhanced with a penetrating aid to ensure as much of the dye absorbs into the honed concrete surface as possible. UV buffers have been infused into the formula to retain bright and true colors. This is the perfect selection for adding color to a polished concrete surface or in a “dye and seal” process.

2. Features / Recommended Uses

Features

- One component liquid formula – mix and use with no waiting
- Can be mixed with water or a VOC exempt solvent (acetone)
- Contains UV buffers to enhance color stability

Recommended Uses

- For optimum dyed polished concrete results use **DiamaPro® Diama-Color** in conjunction with **DiamaPro® Diama-Hard** and **DiamaPro® Diama-Guard HG**
- **DiamaPro® Diama-Color** may be diluted in water for a safe, low VOC and easy way to impart color

3. Technical Data

PHYSICAL PROPERTIES

- Appearance: Various colors

- Odor: Negligible
- Induced into Water or VOC exempt solvent (acetone)
- VOC Compliant – 38 g/l
- Compatible with most concrete substrates
(testing always recommended)

COVERAGE RATE – 400 – 600 sq.ft./gallon

4. Limitations

DiamaPro® Diama-Color is formulated for substrates that will be polished with **DiamaPro® Diama-Hard** and **DiamaPro® Diama-Guard HG** protective sealer. Must always be tested for suitability prior to use

DiamaPro® Diama-Hard is formulated for indoor use only. High levels of ultraviolet light (sunlight) and moisture could have an impact on color retention.

The concrete substrate must be properly cured for 28 days and/or the relative humidity of the substrate needs to be at or below 85%.

5. Application Procedures and Instructions

Surface Preparation: The concrete substrate must be properly cured for 28 days and/or the relative humidity of the substrate needs to be below 85%. Prepare the substrate with diamond tooling associating with the **Diama-Polish Polished Concrete System** Level you will be achieving. **DiamaPro® Diama-Color** is applied after the 200-grit resin bond tooling pass.



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Protect the surrounding area to be dyed from overspray that is not to be colored.

Application: Fully vacuum the prepared surface removing the fine dust particles created during the polishing process. If an auto-scrubber is used allow the substrate to fully dry before continuing. **Diamapro® Diamapro-Color** must be used full strength to obtain formulated color. Apply the dye mixture using a low-pressure pump sprayer with a conical (circular pattern) tip.

Water Induced Mixture: Dampen an appropriate size microfiber mop with the dye mixture. With the sprayer, lightly wet the prepared surface in a circular motion with the dye. Immediately work the dye into the surface with the dampen microfiber mop in a circular motion. The dye will appear to absorb more in some areas than others. This is normal do to the porosity of the substrate. While working in small areas continue applying the dye over the entire surface. After the first coat of dye has dried a light second coat may be applied if more intense color is desired.

VOC Exempt Solvent Mixture: Spray the dye mixture in a small circular pattern onto the substrate covering the entire surface with a uniform mist. The dye will appear to absorb more in some areas than others. This is normal do to the porosity of the substrate. A second application may be applied if more uniform intense color is desired.

Cleaning Process: Allow the surface to dry. Remove residual surface dye using an auto-

scrubber with only water fitted with a white pad. When the dye is applied some dye particles will remain on top of the substrate. This is normal. This must be removed before continuing.

Apply an application of **Diamapro® Diamapro-Hard** to the dyed surface. Refer to the products Technical Data Bulletin for proper installation instructions and cautions. Fully saturate the substrate to rejection. Do not allow puddles to develop and dry on the surface.

Once the **Diamapro® Diamapro-Hard** has visually dried, continue with your 400-grit resin bonded tooling. If more intense uniform color is desired, a second application of dye mixture may be applied after this pass in the same manner as the first application. Once dry auto-scrub once again and continue with the polishing process.

6. Availability

Diamapro® Diamapro-Color is only available through **Diamapro® Systems** Authorized Distributors. Packaged in containers to produce 1 and 5-gallon units. For a list of Authorized Distributors please contact **Diamapro® Systems**.

7. Conditions of Sale / Limited Warranty

Diamapro® Systems warrants this product for one year from date of purchase to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or



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buyer's sole remedy shall be limited to the purchase prior replacement of this product exclusive of any labor costs at the discretion of **Diamapro® Systems**.

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8. Technical Services

The **Diamapro® Systems** office offers assistance with specifications, performance test data and field services.

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