



PRIME GEMSTONE STAINS™

— TRANSLUCENT COLORS TO ENHANCE INTERIOR & EXTERIOR CONCRETE —

Create one-of-a-kind looks with **Prime Gemstone Stains**. They provide a variegated finish to the concrete and can be used on either new or existing concrete. They can be used for both interior and exterior applications. **Prime Gemstone Stains** chemically react with the concrete and permanently change its color. Special colors may be available upon request. **Prime Gemstone Stains** may be mixed to produce additional colors.

Special Properties

- ✧ V.O.C. compliant
- ✧ Adds permanent color to the concrete
- ✧ Long-lasting
- ✧ Economical
- ✧ Easy to maintain
- ✧ Compatible with **Prime Colors-AX** pigmented silicone sealants and with **Prime Gourmet Dyes**

Fields of Application

- ✧ Interior & exterior concrete
- ✧ New & old concrete
- ✧ Stone
- ✧ Stucco
- ✧ Precast
- ✧ Brick
- ✧ Block Masonry
- ✧ Polished concrete

- ✧ Horizontal & vertical surfaces

Yield

Coverage is 150 to 200 square feet per gallon, depending on the porosity of the concrete.

Colors & Packaging

Prime Gemstone Stains are available in 12 standard colors. Other colors may be available by request on a special order basis. **Prime Gemstone Stains** can be mixed to produce a wide range of additional colors and special effects. **Prime Gemstone Stains** are packaged in quart bottles, 1-gallon jugs, 5-gallon pails, 55-gallon drums and 275-gallon totes.

Application Information

Read all cautions and the Safety Data Sheet before starting work. Always do a small test before project installation in an inconspicuous area. Because of the nature of all stains, the final color may vary throughout the installation, depending on the age, texture, finishing techniques, and other variables within the concrete surface. When mixing different **Prime Gemstone Stains** together to create additional unique colors, a record of the mix ratios should be made for future reference.

Basic Application

1. Protect surrounding areas before staining. Rope off areas to be stained and keep traffic clear of the area until installation is complete. Wet floors can be slippery!
2. Wear suitable protective gear; read all cautions below and all Safety Data Sheets.
3. **Prime Gemstone Stains** come ready to use “as is.”
4. New concrete must be cured a minimum of 28 days before application of **Prime Gemstone Stains** is attempted.
5. Curing compounds, sealers, membrane forming products and bond breakers applied to the concrete surface prior to staining will affect the ability of the stain to properly react with the concrete. Concrete surfaces must be clean and free of all foreign contaminants such as curing compounds, bond breakers, oil, sealers, dirt, paint, and cleaning residue. Sanding, power scrubbing, and/or additional cleaning methods may be required to totally clean the concrete surface of all contaminants.

6. Use non-metallic equipment only. **Prime Gemstone Stains** will react with metals, therefore the use of brushes, brooms, sprayers and buckets that are non-metallic is recommended. An acid-resistant hand pump sprayer can also be used.
7. Always use caution when opening the containers of product. Do not allow containers to stand on untreated concrete areas after opening, as staining will occur if the material is spilled.
8. Always use in a well-ventilated area.
9. Always do a small test in an inconspicuous area before project installation, to insure approval and compatibility of all products and desired color. Read all labels and technical sheets before using **Prime Gemstone Stains**. Always check local codes for all federal and state regulations, along with the appropriate safety standards. Dispose of left over stain product and/or stain residue in accordance with these regulations. For further questions, please contact VJ Ventures, Inc.
10. Start With a Small Test Area. Choose an out of the way area. Because of the nature of all stains, the final color may vary throughout, depending on the texture, age, and other variables within the concrete. When mixing **Prime Gemstone Stains** together for custom effects, a record of the mix ratios used should be made for future reference.
11. Depending on the color desired, an application of two or more coats of stain may be required. Allow **Prime Gemstone Stains** to remain on the surface between applications, and after the final application until the chemical reaction is complete, a minimum of approximately four hours. Coverage is between 150 and 200 square feet per gallon, per application, depending on the porosity of the concrete.
12. Scrub **Prime Gemstone Stains** into the concrete as soon as they are applied to the concrete surface, keeping the brush in constant contact and motion with the surface. Keep a wet edge and a uniformly saturated surface. Gradually spread the stain until fizzing stops. DO NOT allow the stain to puddle, splash, or drip on the floor or treated surface, as darkening and discoloration from the rest of the floor, or treated surface, will occur.
13. Remove **Prime Gemstone Stains** residue by wet scrubbing with a neutralizing cleaner, then rinse the surface until the rinse water is clean. All residues must be removed before any coating can be applied. Use caution when handling the stain residue and water drainage. Protect all adjacent foliage and soil from over-

spray and runoff. Use an acid resistant wet vacuum and follow all governmental regulations for disposal.

13. **SEALING THE CONCRETE:** We recommend using a high-quality, non-yellowing concrete sealer such as **Prime Shield** containing at least 25 percent solids with a UV inhibitor to seal the concrete after the color and desired look has been achieved. The sealer will enhance and darken the stain color. Do a small test in an inconspicuous area prior to project installation to insure compatibility of all products. Read all instructions, warnings, and limited liability statements on all product labels and technical sheets before using **Prime Gemstone Stains**. Allow sealer to cure before exposing to any traffic.
15. Do not use plastic floor protection. Kraft paper is preferable. **DO NOT TAPE THE KRAFT PAPER TO FLOOR.**

Of Special Note

1. Be sure to read all cautions and basic application instructions before working with material.
2. The color will vary throughout the concrete slab. Always do a test area first. Read all directions and instructions before project installation begins. For Professional Use Only!
3. The colored concrete is beneath the dried residue, which must be washed off after the chemical reaction is complete to reveal the color of the stained concrete.
4. Emerald, Jade and Aquamarine are intended for interior use only. These colors will react with water and moisture, and over time will darken or blacken when exposed to moisture in the concrete. On interior installations, protection from hydrostatic pressure and moisture should be a part of the initial concrete design and slab installation criteria.
5. **Prime Gemstone Stains** will not hide surface cracks or other blemishes in the concrete, and may accentuate imperfections within the concrete finish.
6. **Prime Gemstone Stains** have a shelf life of approximately six-to-nine months.

DANGER!

Prime Gemstone Stains are oxidizers and, as such, are corrosive and can cause eye and

skin burns which may be severe. **Prime Gemstone Stains** may cause blindness and may be fatal if swallowed, inhaled or absorbed through the skin. Prolonged or repeated breathing may cause ulcerations or perforation of nasal membranes. Can cause cancer. Cancer hazard depends on the level and duration of exposure. Keep out of reach of children. For professional use only. Do not use unless wearing a P100/hydrogen chloride respirator NIOSH TC-84A. Wear protective clothing when applying, including goggles, gloves, chemical resistant apron and boots.

For safety data, see Safety Data Sheet. *Take all preventive measures specified in the Safety Data Sheet and in the hazard markings to prevent accidents and protect health.*

Information provided in this data sheet is based on the current state of knowledge. This does not exempt purchasers from carrying out their own careful inspections of incoming goods in individual cases. We reserve the right to make changes to the product data in the course of technical progress or due to operationally-related further development. Owing to factors beyond our control during application, recommendations given in this data sheet require tests and experiments by customers. Our recommendations do not exempt customers from the obligation to check any infringements of third-party rights themselves and eliminate them if necessary. The suggestions made herein for product use are not equivalent to a warranty of its suitability for the recommended purpose.

Each new release of this data sheet supersedes the previous one.

For more information, contact:

PRIME SEALANTS

1111 West Holly Street, Suite H
Bellingham, Washington 98225 USA

Phone: 1.206.656.5183

Fax: 1.360.335.6879

Email: info@primesealants.com

Web: www.primesealants.com

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