

Bomanite®

The Paving Innovators

RELEASE AGENT

Technical Bulletin

Bomanite Release Agent is a dry blend of chemical powders and color pigments designed for use in the Bomacron process to allow the clean release of Bomacron texturing tools from the concrete surface. In addition to providing a clean release, it also adds color variation to the textured surface, thus providing the attractive two-color look which is part of most Bomacron installations. Bomanite Release Agent is applied by specially licensed, trained and equipped Bomanite licensees.

FEATURES AND BENEFITS:

- PROVIDES EXCELLENT RELEASE FOR TEXTURING TOOLS
- PROVIDES COLOR VARIATION AND ADDITIONAL HIGHLIGHTS IN THE TEXTURED SURFACE OF BOMACRON

COVERAGE GUIDELINES:

All Colors 700 -1,000 sq. ft. per 20 lb. unit/65-93 sq. m. per 9.1 kg. unit

PACKAGING:

Pail or Bag 20 pounds/9.1 kilograms

GENERAL INFORMATION:

- Colors** 25 standard colors - Refer to the Bomanite Color Hardener/Release Agent Color Chart for color selections and names. Custom colors available upon request (minimum 1,000 sq. ft.).
- Maintenance** All Bomanite/Bomacron installations should be regularly maintained by a licensed Bomanite contractor in order to maintain a top quality appearance. Every 18 to 36 months, installations should be inspected by your local Bomanite contractor and cleaned and resealed as required by volume and intensity of traffic. Contact your local Bomanite contractor for the proper maintenance program in your area, as the need for maintenance will vary depending on a number of factors including traffic conditions, geographical location and weather.
- Caution** Use face mask or respirator. Do not allow to get into eyes. Keep out of the reach of children. Prolonged breathing will cause throat and lung irritation. See Material Safety Data Sheet for complete information.
- Available Sales Aids** Bomanite Color Hardener/Release Agent Color Chart
Contact your local Bomanite licensee to request Bomanite Release Agent sales aids to assist you in the design process.
- Warranty** Bomanite Release Agent, a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller and manufacturer obligations under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact Bomanite Corporation.
- Important Note** This specification supersedes all Bomanite Release Agent specifications prior to August 1, 2004.

SPECIFICATIONS:

1.00 GENERAL

1.04 Related Work (to be completed by a licensed Bomanite contractor except where noted)

- a. Preparation work, including sub-grade preparation, finish grading, constructing formwork, placing and setting screeds, and furnishing and placement of reinforcement shall be done by a licensed Bomanite contractor or other qualified contractor.
- b. Provide and place concrete.
- c. Provide and apply all Bomanite Color Hardener. Regular grade color hardener is recommended for all application areas except those subject to heavy pedestrian traffic or heavy vehicular traffic.
- d. Provide and apply all Bomacron release agents. Release agent is a dry powdered, colored agent used to facilitate release of the imprinting tools from the concrete surface and to provide moderate color variations to the textured surface.

2.00 PRODUCTS AND MATERIALS

2.01 Concrete Mix Design

- a. The concrete shall have a minimum compressive strength of 3,000 psi in non-freeze areas, 3,500 psi in moderate freeze-thaw areas and 4,000 psi in severe freeze-thaw areas. Portland cement shall conform to ASTM C 150 Type I, II, or V, depending on soil conditions. Aggregates shall conform to ASTM C 33. Mixing water shall be fresh, clean and potable. In freeze-thaw areas only, an air-entraining admixture complying to ASTM C 260 shall be used to achieve an entrained air content for the particular mix used in accordance with the published recommendations of the Portland Cement Association and the American Concrete Institute. No admixtures containing calcium chloride shall be permitted.

2.02 Coloring, Imprinting, Curing and Sealing Materials

- a. Bomanite Color Hardener: The concrete shall be colored with the following Bomanite Color Hardener color(s):

_____.

The grade of the hardener shall be: (choose one)
Regular Grade or Heavy Duty Grade.

- b. (Optional) Bomacron Release Agent: The following Bomacron Release Agent color(s) shall be applied to all concrete surfaces to be imprinted and textured:

3.00 EXECUTION

3.01 Installation Procedures

- a. The area to receive Bomanite/Bomacron imprinted concrete shall have the sub-grade prepared as required as for any concrete slab on grade.
- b. The formwork shall be installed in accordance with the drawings. The slab thickness shall be consistent with that of ordinary concrete slabs under the same conditions. (Note to specifier: Bomanite/Bomacron is most often a 4" thick or greater monolithic slab on grade. However, Bomanite may also be installed as a 1-1/2" or thicker topping over a base slab.)
- c. Provide reinforcement as specified.
- d. Control joints and/or expansion joints shall be provided in accordance with the drawings and the guidelines established by the American Concrete Institute. As with any concrete slab, Bomanite/Bomacron imprinted concrete usually contains construction joints, control joints and expansion joints. The contractor shall advise and work with the architect/engineer to determine the best location for these joints to minimize the visibility of the joints and to minimize unsightly cracking.
- e. The concrete shall be placed and screeded to the finished grade and floated to a uniform surface using standard finishing techniques.
- f. Bomanite Color Hardener shall be applied evenly to the surface of the fresh concrete by the dry-shake method using a minimum of 60 pounds per 100 square feet/27 kilograms per 9 square meters. It shall be applied in two or more shakes, floated after each shake and troweled only after the final floating.
- g. (Optional) Bomacron Release Agent shall be applied evenly to the troweled surface prior to imprinting. (Note to the specifier: this product should be specified only if the imprinted slab is Bomacron.)

FOR A COMPLETE GUIDELINE SPECIFICATION, CONTACT YOUR LOCAL BOMANITE LICENSEE.

Bomanite®

Your affordable,
durable paving solution



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