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Architectural Concrete Solutions

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## **BOMANITE BROADCAST AGGREGATE**

### **System Guideline**

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Bomanite Broadcast Aggregate System is a multi-layered architectural and protective flooring system with a non-skid decorative or functional aggregate surface locked in place with two component high performance binders. Bomanite Broadcast Aggregate uses a multitude of surface seeded fine aggregates such as colored quartz, silica carbide or other hard minerals to create a highly durable, low maintenance surface that, dependant on binders used, is easy to clean and maintain in a wide variety of environments.

A standard Bomanite Broadcast Aggregate application utilizes Bomanite Florspartic 100 as the primer, binder and top-coat. This zero VOC fast track flooring system can be applied over prepared concrete and suitable cementitious toppings to form a seamless surface ideal for residential, industrial and commercial applications such as garage floors, indoor swimming pool decks, commercial kitchens, light manufacturing and chemical processing etc. Standard Broadcast Aggregate Systems are 1/8" in thickness, can be applied with a seamless cove, will bridge minor non-working cracks and are highly resistant to most chemicals.

For information on the use of other Bomanite high performance primers, binders and coatings as part of the Broadcast Aggregate system, please consult with Bomanite Technical Services for product selection and application information. Consult the Bomanite Florspartic 100 Technical Bulletin for information concerning chemical resistance and finished coating properties for a standard Bomanite Broadcast Aggregate installation.

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#### **FEATURES AND BENEFITS:**

- ***Decorative or Industrial Aggregates***
- ***Durable for Sustainable Design***
- ***Architectural and Functional Installations***
- ***Excellent Surface and Slip Resistance***
- ***Permanent Lightfast Coloration***
- ***Wide Range of Color Options***



## **GENERAL INFORMATION:**

### **Key Components of a Bomanite Broadcast Aggregate System**

**Bomanite Florspartic 100:** 100% Solids Aliphatic Polyaspartic

**Select Aggregates:** Quartz, colored quartz, silicon carbide or other select aggregates roughly 30 to 60 mesh in size.

### **Optional Components of a Bomanite Broadcast Aggregate System**

**Bomanite Con-Shield:** Reactive Lithium Silicate moisture vapor reducer formulated for use on ready-mixed concrete

### **Colors**

Consult the Bomanite Florspartic 100 Color chart for solid colors over non-decorative aggregates. Consult the Broadcast Aggregate swatches section of the Bomanite website for a full range of standard aggregate blends and colors.

### **Basic Application Information**

The Bomanite Broadcast Aggregate System is installed exclusively by Bomanite Topping Licensees. The following technical information is a summary to aid in the understanding of the application process and to assist the specification process.

1. The concrete is prepared via coarse grinding or bead blasting.
2. Patching and filling of surface defects is performed followed by additional grinding.
3. The prime coat is applied.
4. The binder coat is applied with aggregate seeded into binder while wet.
5. An optional second binder coat is applied with additional aggregate.
6. A final topcoat is applied to lock in the aggregate.

The concrete is protected from chemical exposure until building occupation.

### **Maintenance**

Consult the Bomanite General Maintenance Guideline for complete information on how to maintain concrete flooring.

### **Limitations**

- Final color will be influenced by factors such as environmental variations etc. A thorough sampling and mock-up process is required as part of the installation of the system.
- Lack of protection from trade damage along with early chemical exposure resulting in staining may detract from the quality of the finished product.
- Surface defects and repairs may be appreciably noticeable once the process is complete.
- Interior applications only with limited select exterior applications possible after consultation with Bomanite Technical Services.

### **Warranty**

Bomanite products are 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.

***Additional system information, technical bulletins and specifications are available online at [www.bomanite.com](http://www.bomanite.com) or through one of our Bomanite Licensed Contractors. For additional assistance with specifications or technical issues, contact The Bomanite Company.***