

# JS Surface Retarder

## Exposed Aggregate Concrete Surface Retarder

### DESCRIPTION

**JS Surface Retarder** is a concrete surface retarder suitable for use on horizontal surfaces to produce decorative exposed aggregate finishes or profiled surfaces for subsequent toppings, overlays or membranes.

**JS Surface Retarder**, applied to fresh, green concrete, retards the surface mortar set eliminating the need for costly sandblasting or acid washing.

### USES

- Horizontal concrete surfaces
- Creates decorative or slip resistant surfaces
- Suitable for precast panels, sidewalks, drive, patios
- Leaves rough surface to improve mechanical bond for keyway joints, waterproofing membranes and cementitious coatings

### ADVANTAGES

- Tinted formulation insures even coverage and performance
- Easy to apply with standard pressurized spray equipment, brush or roller
- Less costly than sandblasting or green cutting
- Aggregates remain clean and sharp with no residue to neutralize
- Use on adjacent masonry or reinforcing steel to reduce cleaning procedures
- Eliminates environmental dangers associated with acid washing or other chemical methods
- Provides uniform depth of retardation, up to 0.25 inch (6mm)

### ESTIMATING GUIDE

Apply **JS Surface Retarder** at a rate of 100 ft<sup>2</sup> per gallon (2.5 m<sup>2</sup> per liter) on smooth, trowelled surfaces and forms. Heavy broom or rough finishes may require additional material.

### PACKAGING

**JS Surface Retarder** is available in 5 gallon (8.9 liter) plastic pails or 55 gallon (207.9 liter) drums.

### TECHNICAL DATA

Complies with National Volatile Organic Compound Emission Standards for Architectural Coatings, Federal EPA Regulation 40 CFR Part 59

V.O.C. Content: 0 g/L

### APPROXIMATE DWELL TIME

Dwell time can vary from 4 to 24 hours depending on the temperature and the concrete mix design. A test panel is strongly recommended using the specific concrete mix to be used on the project so that dwell time required can be determined.

Starting point guideline is shown below:

75°F (24°C) and above: 4 to 8 hours.

Do not apply below 50°F (10°C)

### APPEARANCE:

Translucent green liquid

**APPLICATION METHODS:** Sprayer with .010 orifice tip, brush or roller

### DIRECTIONS

**JS Surface Retarder** is ready to use from the container. Do not dilute with water or solvent.

**Concrete Placement:** Place concrete to finish grade. For specialized architectural finishes or for a precise aggregate design, it may be necessary to seed surface with designated aggregate, floating it lightly into surface to ensure embedment.

Apply **JS Surface Retarder** immediately after final finishing and prior to initial set at a rate of 100 ft<sup>2</sup> per gallon (2.5 m<sup>2</sup> per liter). Liquid **JS Surface Retarder** is tinted green to insure uniform application for equal depth of retardation.

On hot or windy days, **JS Surface Retarder** treated surfaces should be protected from rapid drying by use of **JS Aqua Film**, a monomolecular evaporation retardant. Mixing and application instructions are available on the technical data sheet for **JS Aqua Film**.

Based on the information learned during the installation of the test panel for dwell time, remove the retarded mortar from the concrete surface using low pressure water spray and stiff brush. After all retarded surface matrix is removed, the clean concrete surface should be protected against physical damage and properly cured.

**JS Honey Brown EZ** is recommended to provide ultimate curing and sealing performance.

### **CLEANUP**

Before material dries and hardens, clean tools and equipment with detergent and warm water.

### **STORAGE**

Do not allow to freeze. Store tightly closed containers in warm, dry area. Shelf life of properly stored material is one year from date of manufacture.

### **LIMITATIONS**

- Do not apply at ambient temperatures below 50°F (10°C).
- Failure to completely remove material from treated surface may result in a slight green discoloration of the concrete

**KEEP OUT OF THE REACH OF CHILDREN**

### **CAUTION**

- May cause skin irritation.
- Do not take internally.
- **All label precautions and the SDS must be fully understood before using this product.** Ensure that you are using the most recent technical data sheet for instructions. Go to [www.jobsitesupply.com](http://www.jobsitesupply.com) for the most up to date information or contact Jobsite Supply's at 800-874-7415 to verify.

Proper application is the responsibility of the user. **Jobsite Supply** can only make technical recommendations and cannot provide quality control on the jobsite.

#### **This Product is Formulated and Labeled for Industrial and Commercial Use Only**

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT. We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sales of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claims is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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