

RETARDER-S

Liquid Surface Retarder for Exposing Aggregate

Product Description

Retarder-S is a water soluble liquid specially formulated to set the surface mortar of fresh concrete to expose aggregates in freshly placed concrete surfaces. Retarder-S is green in color to allow for easy identification of applied areas and to ensure appropriate uniform coverage. Retarder-S should be used to achieve architectural color, texture, and appearance without mechanical means such as sandblasting.

Benefits & Features

- Economical means of exposing aggregates without labor intensive mechanical means
- It's ease of use and lack of need for expensive equipment make this a contractor's favorite
- Low acidic content ensures safety of employees/applicators

Technical Information

Solids/Active Content, Percentage by weight	Low
Retardation Time	8 - 24 hours
Dry Time - Foot Traffic	N/A
Dry Time - Heavy Traffic	N/A
Recoat Time Window	N/A
Application Temperature	40°F - 85°F
VOC (Volatile Organic Compound) Content	0 grams/liter
Appearance	Bright Green

Specifications/Compliances

VOC and OTC Compliant

Approximate Coverage Rates

Retarder-S should be applied by sprayer only at an approximate rate of 200 square feet per gallon

Shelf Life

Retarder-S has a shelf life of up to one year in it's original, sealed, unopened container.

Packaging

Available in 5 gallon pails and 55 gallon drums

ORRVILLE

133 North Kohler Road
Orrville, Ohio 44667
(330) 682-5678

CLEVELAND

7941 Granger Road
Cleveland, Ohio 44125
(216) 573-0770

COLUMBUS

690 Harrison Drive
Columbus, Ohio 43204
(614) 253-3326



www.eco-cretesupply.com

Instructions for Use

Preparation: All finishing of surface to be exposed must be completed prior to application of liquid surface retarder. Any form of finishing including mechanical floating or troweling done after application of Retarder-S could make product irregular and excessive depths of retardation.

Substrate temperature must be no less than 40°F and not exceed 80°F. If applied outside these limits, this product may not produce proper retardation and therefore it's dependability may be ineffective.

Mixing: Stir material prior to use. Material may separate during long term storage.

Application: Be sure all surface water has dissipated and concrete has lost it's sheen. Apply liquid surface retarder at an approximate rate of 200 square feet per gallon using a low pressure poly pump-up sprayer to obtain a standard depth etch of 1/8". Once entire area to be exposed is completely coated, cover area with white polyethylene sheeting or equivalent to prevent drying out.

Exposing Aggregates: Within 8 - 24 hours after application, use a low pressure garden hose and a coarse or stiff bristle broom to remove retarded surface mortar. Excessive force during removal of retarded surface mortar could undermine the exposed aggregate profile. Once exposing aggregates is complete, a solution of 10% muriatic acid and water can be used to clean exposed aggregates. If this cleaning method is used, the surface should be rinsed thoroughly with water following a 5-10 minute interaction period between solution and surface.

Warranty: PROFESSIONAL USE ONLY. Product is intended for licensed concrete contractors, that have the experience and training to use this product. End user is responsible for product aptness and assumes all risks and liability. Obligations of the manufacturer will be limited to refunding the purchase price of replacing the product if deemed defective.

Clean-up

Use soap and water. Dispose of containers in accordance with local, state and federal regulations.

Precautions & Limitations

- Retarder-S will freeze during storage at temperatures of 32°F or less.
- Extended drying time may cause for excessive profiling to exposed surface.
- Retarder-S is an environmentally safe product that contains no hazardous fumes nor VOC's
- Retarder-S is not a sealer and should not be used as a curing and sealing compound
- Coverage rates depend upon many conditions including application method, surface porosity, applicator, etc.
- Retarder-S was designed for exposing aggregates in concrete mixes designed to be exposed.
- Hot weather, accelerating admixtures, and heated concrete may reduce effectiveness of Retarder-S
- It is not recommended to thin Retarder-S. Improper thinning may take away from products chemical properties
- Retarder-S should work fine with most admixtures but it is recommended to test prior to use

Special Notes

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

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