

RETARDER-F

Paste Form Retarder for Exposing Aggregate

Product Description

Retarder-F is a water soluble paste specially formulated to set the surface mortar of fresh concrete to expose aggregates in freshly placed concrete surfaces such as steps. Retarder-F is green in color to allow for easy identification of applied areas and to ensure appropriate uniform coverage. Retarder-F 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

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|---|---------------|
| Solids/Active Content, Percentage by weight | N/A |
| Retardation Time | 8 - 24 hours |
| Dry Time - Foot Traffic | N/A |
| Dry Time - Heavy Traffic | N/A |
| Recoat Time Window | N/A |
| Application Temperature | 50°F - 80°F |
| VOC (Volatile Organic Compound) Content | 0 grams/liter |
| Appearance | Thick, Green |

Specifications/Compliances

Meets OTC, CARB, LADCO & SCAQMD VOC restrictions

Approximate Coverage Rates

Retarder-F should be applied with a brush at an approximate rate of 150 square feet per gallon

Shelf Life

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

Packaging

Available in 1 gallon jugs and 5 gallon pails.

ORRVILLE

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

CLEVELAND

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

COLUMBUS

723 Taylor Avenue
Columbus, Ohio 43219
(614) 253-3326



Instructions for Use

Preparation: All finishing of surface to be exposed must be completed prior to application of paste surface retarder. Any form of finishing including mechanical floating or troweling done after application of Retarder-F could produce 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: Apply paste surface retarder at an approximate rate of 150 square feet per gallon using a masonry brush to obtain a standard depth etch of 1/8". 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.

Retarder-F should be painted on forms without thinning in a continuous unbroken film. Forms may be coated several days in advance or in as short a time as will allow complete drying of the film. Drying time varies between 1-4 hours depending on weather conditions. In warm weather, forms may be stripped in one day, in cooler weather allow 2-3 days. Immediately after stripping remove the retarded surface mortar by flushing off with a stream of water and/or remove by scrubbing with a stiff brush. Pre-cast structural members should be stripped from their forms in their usual time and the surface mortar then removed.

Please note: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application.

Clean-up

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

Precautions & Limitations

- This product will freeze during storage. Store at temperatures above 40°F
- Extended drying time may cause for excessive profiling to exposed surface
- This product is not a sealer and should not be used as a curing and sealing compound or protective coating
- This product was designed for exposing aggregates in concrete mixes designed to be exposed.
- Hot weather, accelerating admixtures, and heated concrete may reduce effectiveness of this product
- It is not recommended to thin this product. Improper thinning may take away from products chemical properties
- This product is expected to work well with most admixtures but it is recommended to test prior to use
- Use only for exposing aggregate in concrete. This product has no other uses.

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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