# AGGRESOL-F

# PASTE FORM RETARDER FOR EXPOSING AGGREGATE TECHNICAL DATA & APPLICATION INSTRUCTION

#### PRODUCT DESCRIPTION

**Aggresol-F** is a water soluble paste specifically formulated to set the surface mortar of fresh concrete to expose aggregates in freshly placed concrete surfaces such as steps. **Aggresol-F** is green in color to allow for easy identification of applied areas and to ensure appropriate uniform coverage. **Aggresol-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
- Ease of use and lack of need for expensive equipment
- Low acidic content ensures safety of employees/applicators
- VOC compliant for most areas in the United States and Canada

# **RECOMMENDED APPLICATIONS**

Steps

Walls

Stepping Stones

# TECHNICAL INFORMATION

SolidsN/A	Wet AppearanceThick, Green
Retardation Time8 - 24 hours	Dry AppearanceN/A
Dry Time - Foot TrafficN/A	VOC Contento g/l
Dry Time - Heavy TrafficN/A	Application Temp50°F - 80°F
Recoat Time WindowN/A	

<sup>\*\*</sup>Please note that low air and/or concrete temperatures and/or relative humidity may extend drying times. Follow recommended coverage rates for best results.

# SPECIFICATIONS/COMPLIANCES

Meets OTC, CARB, LADCO & SCAQMD VOC restrictions.

# APPROXIMATE COVERAGE RATES

Coverage Rate

150 sq ft / gallon

#### SHELF LIFE

**Aggresol-F** has a shelf life of up to one year from manufacture date in its original, unopened container stored at room temperature.

#### **PACKAGING**

Aggresol-F is available in 1 gallon and 5 gallon containers. Available by special order in 55 gallon drums.

<sup>\*</sup>Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

INSTRUCTIONS FOR USE AGGRESOL-F

**SURFACE PREPARTAION:** 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 **Aggresol-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 dependable results may not be achieved.

MIXING: Stir well before using. 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 aggregate 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.

Concrete surface retarder paste 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 one and four hours depending on weather conditions. In warm weather, forms may be stripped in one day, in cooler weather allow two to three 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 warm soap and water. Dispose of containers in accordance with local and federal regulations.

### PRODUCT REMOVAL

Use directions above if product is to be removed from freshly placed concrete. If applied product in not in contact with freshly placed concrete, use neutralizing solution prior to removal.

# PRECAUTIONS AND 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.
- This product was designed for exposing aggregates in concrete mixes designed to exposed.
- Hot weather, accelerating admixtures and heated concrete may reduce effectiveness of 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 use.

# SPECIAL NOTES

Always read all technical information, label and SDS prior to use. This information can be found online at www.kingdom-products.com or by calling Customer Service at 888-824-2383. FOR PROFESSIONAL USE ONLY!