



W. R. MEADOWS.



DATA SHEET NO. 3300-719

# TOP-STOP™ HORIZONTAL

## Spray-Applied, Water-Soluble Surface Retarder

### DESCRIPTION

TOP-STOP HORIZONTAL is a spray-applied, water-soluble surface retarder designed to slow the set of surface mortar of concrete to produce an exposed aggregate finish. It temporarily delays the set of Portland cement at the top surface, while the underlying concrete sets normally. TOP-STOP HORIZONTAL is easy to use, producing beautiful exposed aggregate concrete flatwork with consistent results. It is non-flammable and VOC compliant.

### USES

TOP-STOP HORIZONTAL may be used to produce an architectural finish on concrete slabs by exposing the natural colour and texture of the aggregate. TOP-STOP HORIZONTAL exposes the aggregate on floor slabs, sidewalks and tilt-up and pre-cast panels or any normal horizontal concrete application. It produces roughened bonding surfaces for subsequent concrete toppings and roughens horizontal surfaces for construction joints in power plants, dams and other civil engineering projects. The rough finish obtained from using TOP-STOP HORIZONTAL may be used as a mechanical key for later concrete lifting or rendering.

### FEATURES/BENEFITS

- Architectural-quality appearance with original colour and texture of the aggregate without sandblasting.
- Easy removal of the concrete surface.
- Eliminates hacking, chipping, or blasting of the surface.
- No danger of acid residue from strong washing compounds.
- Easy to use.
- Less supervision of field personnel.
- No expensive equipment required.
- Uniform coverage results in uniform aggregate exposure; consistent results.
- Easy water clean up.
- VOC compliant.

### PACKAGING

3.78 Litre Units  
18.93 Litre Pails  
205 Litre Drums

### COVERAGE

Coverage is approximately 3.68 - 7.36 m<sup>2</sup>/L (150 - 300 ft.<sup>2</sup>/gal.) to retard the exposed aggregate to a depth of 3.2 mm - 4.8 mm (1/8" - 3/16"). Coverage may vary due to porosity and condition of the concrete.

### SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 4° - 32° C, optimum performance and best use is obtained within one year of date of manufacture.

### SPECIFICATIONS

- Complies with Canada VOC Concentration Limits for Architectural Coatings Regulations

### TECHNICAL DATA

Colour:	Green
Solids, Wt. %:	13
Density, kg/L:	1.04
Coverage, m <sup>2</sup> /L (ft. <sup>2</sup> /gal)	3.68 - 7.36 m <sup>2</sup> /L (150 - 300 ft. <sup>2</sup> /gal.)

### APPLICATION

Apply TOP-STOP HORIZONTAL with a low-pressure sprayer, such as a Chapin 1949, along with a nozzle that provides a 0.379 LPM spray rate. Apply immediately after screeding when concrete has lost its sheen, or as soon as bleed water has disappeared. Apply only after all finishing operations are complete. Avoid puddles and over-spraying.

Cover concrete with wet burlap or plastic sheeting to prevent drying out. Secure the edges of the plastic sheeting to prevent ballooning. Do not use curing compounds. Concrete admixtures which affect the setting time should not be used without first conducting a test patch. Periodically check concrete to determine depth of retarded mortar, making sure concrete hardens.

Continued over ...

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Within 12 - 24 hours of application, remove burlap or plastic sheeting one section at a time and wash the retarded surface mortar using a water broom or stiff brush. Do not use excessive force. Test a small area to determine if depth of retarded mortar is at desired level. If the depth is greater than desired, allow the slab to cure longer before exposing the aggregate.

Aggregate color can be enhanced using EXPO-GLOSS® (VOC) from W. R. MEADOWS.

**Clean Up ...** Clean tools and equipment with soap and water before material is allowed to dry.

### PRECAUTIONS

Apply only on freshly poured concrete. Depth of the exposed aggregate will be affected by environmental conditions, such as extreme temperatures, as well as the water pressure and scrubbing action used during removal. A test patch under exact job conditions is recommended. Do not use on vertical concrete or form applications. Do not use on concrete containing calcium chloride or other set accelerators. Do not apply to frozen surfaces. Protect treated area from freezing, rain, strong winds, and extreme sunlight. Do not store in metal sprayers for long periods of time. Direct contact may result in mild irritation. Refer to material safety data sheet for complete health and safety information. Keep from freezing.

### MASTERFORMAT NUMBER AND TITLE

03 05 00 – Common Work Results for Concrete

### LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.2: Low-Emitting Materials: Paints and Coatings
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

**For most recent data sheet, further LEED information, and MSDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).**



2015-01-16

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