



CSI Code: 03050

NO. 342

NOVEMBER 2004
(Supersedes April 2004)

TOP-STOP™

Spray-Applied, Water-Soluble Surface Retarder

DESCRIPTION

TOP-STOP is a spray-applied, water-soluble surface retarder designed to slow the set of surface mortar in concrete to expose the aggregate. It temporarily halts the set of Portland cement at the surface while the concrete below the surface cures normally. TOP-STOP is economical and easy-to-use, producing beautiful exposed aggregate concrete flatwork with consistent results. It is non-flammable and VOC compliant.

USES

TOP-STOP may be used to produce an architectural finish on concrete slabs by exposing the natural color and texture of the aggregate. TOP-STOP 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 may be used as a mechanical key for later concrete lifting or rendering.

PACKAGING

1-gallon (3.79 L) container
5-gallon (18.93 L) pails

SHELF LIFE

Two years minimum in original, unopened container

ADDITIONAL CONCRETE SURFACE TREATMENTS FROM W. R. MEADOWS CAN BE FOUND BY VISITING OUR WEBSITE: www.wrmeadows.com

FEATURES AND BENEFITS

- Architectural-quality appearance with original color and texture of the aggregate without sandblasting
- Easy, economical removal of the concrete surface without laborious hacking, chipping or blasting required
- 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

TECHNICAL DATA *

Color: Green
Solids, %: 18 (Typical)
Weight/gallon, lbs./gal.: 8.94 (Typical)
Coverage: 150-300 sq. ft.

*All technical data is typical information, but may vary due to test methods, conditions and operators.

COVERAGE**

Approximately one gallon per 150-300 sq. ft. to retard the exposed aggregate to a depth of 1/8" (0.32 cm) to 3/16" (0.48 cm).

**Coverage may vary due to porosity and condition of the concrete

STORAGE

Store in dry conditions, between 40°F and 95°F (4°C and 35°C).

CONTINUED ON REVERSE SIDE...

APPLICATION

Apply TOP-STOP with a low-pressure sprayer 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.

Within 12-24 hours of application (depending on temperature and humidity), remove burlap or plastic sheeting one section at a time and wash the retarded surface mortar using a low-pressure garden hose and stiff broom. 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.

Stone color can be enhanced using EXPO-GLOSS® Exposed Aggregate Surface Sealer from W. R. MEADOWS.

Clean up... TOP-STOP may be easily removed by water and scrubbing with a wire brush.



LIMITED WARRANTY

“W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order.” Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.

PRECAUTIONS

- Apply only on freshly poured concrete.
- Depth of the exposed aggregate will be affected by 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.
- Do not store in metal sprayers for long periods of time.

HEALTH HAZARDS

Direct contact may result in mild irritation. Refer to Material Safety Data Sheet for complete health and safety information.

TO VERIFY MOST RECENT TECHNICAL DATA IS BEING USED, VISIT OUR WEBSITE: www.wrmeadows.com