



Architectural Concrete Chemicals

223 West Hampton Avenue

Capitol Heights, MD 20743

Tel (301) 336-9300

Fax (301) 336-6597

Altus Series - V.O.C. In-Form Retarder

PRODUCT DESCRIPTION: Altus Series In-Form retarders are a group of high performance in-form retarders with excellent heat resistance. The Altus Series is especially suited for insulated panels where moisture levels are critical. A single full-bodied coat of any Altus Series retarder applied over our In Form Undercoat Release will yield reproducible, uniform results. Available in 9 depths of etch, a test panel-simulating job conditions should be poured for proper grade selection. Coverage; approximately 300-350 sq. ft./gal. Altus Series V.O.C. is a reformulated low emitting version of Altus Series developed for the California precast and cast in place market specifically within the SCAQMD.

AREA OF APPLICATION: Perfectly suited for architectural precast concrete of all types, insulated panels in particular, or cast-in-place concrete. Placement time of up to 40 minutes. Heat resistance up to 180° F. For use with steel, concrete or plywood forms. *Note that plywood forms should be sealed before use (see ACC Form Seal).*

DIRECTIONS: Thoroughly mix before application. Apply In-Form Retarder Pre-Cote to the mold surface prior to use. After the mold release is dry (10-15 minutes), apply a single hiding coat of any Altus Series retarder using a brush, roller, or airless sprayer at a rate of 300-400 sq. ft./gal. (3-5 mils). Clean up with ACC Solve or Xylene. Allow the retarder to dry thoroughly (approximately 20 minutes depending on temperature and humidity) before placing concrete. **Caution: When steam curing; bring the temperature up gradually to allow the surface retarder to react properly with the concrete. Note: If steam is to be used, it should also be used with the test panel poured for the proper grade selection.** Remove the retarded matrix at the end of the curing cycle with high-pressure water or by sandblasting. Any remaining retarder may be easily removed from the mold with a scraper or stiff broom.

TECHNICAL DATA: Solvent-based. Flash point 45° F. Heat resistance up to 180 ° F. See Retarder Guide for help in grade selection. Meets EPA's VOC requirements for Non-photochemically reactive compounds, contains less than 6 g/l of V.O.C.'s, allowable for use in all jurisdictions conforms to all regulations including the SCAQMD.

SHELF LIFE AND STORAGE: Up to 5 years from manufacturing date in closed original container.

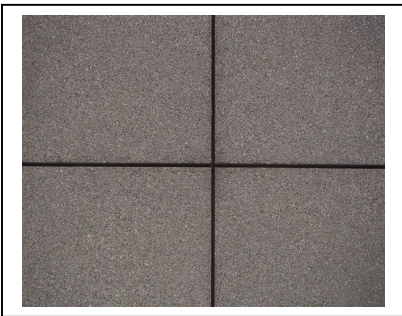
PACKAGING: 5 gal. Steel Pails.

SAFETY: Highly flammable. Keep away from heat, sparks and open flames. Use respirator for spray applications.

SHIPPING CLASSIFICATION: UN1263, Paint Related Material, 3, P.G. II

<u>Finish Type</u>	<u>Grade Selection and Color Code</u>	<u>Exposure</u>	<u>Aggregate Size</u>
<u>Micro Finish</u>	<ul style="list-style-type: none"> • Super Lite – Tan • Xtra Lite - White • Sand - Teal Blue 	Light Acid Wash Med. Acid Wash Sand Exposure	Sand Sand Sand
<u>Sandblast Finish</u>	<ul style="list-style-type: none"> • Lite - Green • Medium - Orange • Deep - Blue 	Light Sandblast Med. Sandblast Deep Sandblast	1/8 – 1/4" 1/4 - 3/8" 3/8 – 1/2"
<u>Exposed Finish</u>	<ul style="list-style-type: none"> • Sm. Agg. – Yellow • Med. Agg. - Lt. Green • Large Agg. - Pink • Xlarge Agg.- Gray 		3/8" 1/2" 5/8" 3/4 +

Micro Finish Series



Sand-Blast Series



Exposed finish Series



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