



Architectural Concrete Chemicals

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Altus Series -V In-Form Retarder

PRODUCT DESCRIPTION: Altus Series In-Form retarders are a group of high performance in-form retarders with excellent abrasion and heat resistance. The Altus Series V retarders are especially suited for the most difficult concrete placements. Abrasion resistance for vertical placements up to 12 + feet and placement times up to 90 minutes. Heat resistance up to 140' F. Coverage rates 250-300 sq. ft./gal. Available in nine depths of etch, color and number coded for easy identification. A test panel simulating job conditions should always be done to aid in proper grade selection.

AREA OF APPLICATION: Perfectly suited for large, intricate (lengthy placements) in architectural precast or for high vertical cast-in-place concrete. 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 or two light coats of Altus Series V retarder using a brush, roller, or airless sprayer at a rate of 250-300 sq. ft./gal. (4-5 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-photo chemically reactive compounds.

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

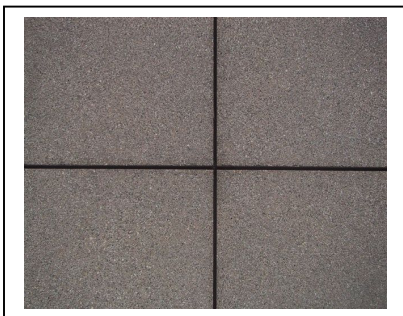
PACKAGING: 5 gal. Steel Pails.

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 Finishes</u> <u>Altus Series Only</u>	<ul style="list-style-type: none"> • Xtra Lite - White (03) • Sand - Teal Blue (05) 	Med. Acid Wash Sand Exposure	Sand Sand
<u>Sandblast Finish</u>	<ul style="list-style-type: none"> • Lite - Green (15) • Medium - Orange (25) • Deep - Blue (50) 	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 (75) • Med. Agg. - Lt. Green (125) • Large Agg. - Pink (175) • Xlarge Agg.- Gray (250) 		3/8" 1/2" 5/8" 3/4 +

Micro Finish Series



Sand-Blast Series



Exposed Finish Series



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