



# Innovation

Division 03390

## One Coat Solution

Concrete Curing, Vapor Reduction  
& Slab Protection

**AC•TECH**

Allied Construction Technologies, Inc.

*When Performance Counts!*



Get Specs  
and  
Technical  
Data  
On-Line



# American Innovation

**Get on Slab Early. Compress Construction Schedule.**

Go-Early Technology™ is built on the AC•Tech 2170™ Fast-Curing, Zero VOC, 100% RH tolerant Vapor Reduction System that has long been recognized for its ease-of-application, high performance and consistent results in the concrete construction and resilient flooring industries.

Now, this same German-engineered ISO 9001:2008 manufactured epoxy resin has been formally tested here in the United States as a Type 1, Class C Liquid Membrane-Forming Curing Compound in accordance with ASTM C1315-11 testing standards.

The result : AC•Tech's Go-Early Technology™ offers Fast Track Construction Projects a **One Coat, Division 3 Solution to Concrete Curing, Slab Protection and Vapor Reduction.**

**Two** ingredients were necessary to bring this breakthrough technology to the Concrete Construction and Design-Build communities.



**GOEARLY**  
TECHNOLOGY™  
For Fast Track Construction

*Developed by*

*-- and available exclusively thru --*

AC•TECH  
Allied Construction Technologies Inc



# German Engineered

**First** there had to be the right product. Enter German Engineering.

The proprietary resin formula created and manufactured by AB-Polymerchemie GmbH contains function-specific **hydrophobic amines** in the "B" component of the epoxy (the hardener). **This hydrophobic amine formula fosters very rapid cross-linking / curing of the 2-part epoxy in the presence of very high moisture levels ... such as those found in recently poured concrete.** Without such a "liquid engineered" product -- containing 100% Reactive Solids -- Go-Early Technology™ would just not be possible.



**Second** there had to be technical expertise in developing concrete coating solutions for complex field applications. Enter American Innovation -- and AC•Tech.

Through AC•Tech's extensive knowledge of building construction, the complex chemistry of hardened concrete, flooring installation and concrete coating application processes, AC•Tech tested ... tweaked ... and tested again the PROCESS of applying this unique resin in Fast-Track Construction projects.



## Go-Early Technology™ Application Process

**Place Concrete.** Do NOT use silicates. Do NOT hard trowel.

**Apply Light Broom Finish** at initial concrete set (5-10 mils depth).

**Within 24-72 hours** of initial concrete set, apply Go-Early Technology™ resin @ 12 mils.

**Cure 48-Hours** for Shore D 82 Slab Hardness Protection and Chemical Resistance.

## Go-Early Innovation Spawns Further Innovation .... YOURS !

Can underlayment requirements be reduced / eliminated through curing membrane control of curling & cracking?

Can moisture-induced Mold & Mildew be controlled by putting the moisture sealant down BEFORE the interior walls go up?

Can proactive moisture and alkalinity control in Division 3 lead to better control over construction schedules and budgets ?





## One-Coat Concrete Curing, Vapor Reduction & Slab Protection System

ASTM C1315-11	Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete	Type 1, Class C
ASTM D7234	Standard Test Method for Pull-Off Adhesion Strength of Coatings on Concrete	100% Failure within Concrete Substrate at 7 days on ASTM 30% FlyAsh Concrete, ASTM 30% Slag Concrete, and on ASTM Portland Cement)
ASTM F2170-11	Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In-Situ Probes.	100% RH Tolerant
ASTM F3010-13	Standard Practice for Two-Component Resin Based Membrane Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings.	0.07 perms @ 12 mils
ASTM 710-11	Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring	Sustained Alkalinity Resistance at pH 14
ASTM D2240	Standard Test Method for Rubber Property; Durometer Hardness	Shore D 82 Hardness @ 48 Hours
CDPH Standard Method V1.1 (CA Section 01350)	Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010)	Zero VOC Emissions; Zero Formaldehyde. Compliance Certificate #140527-01 May 27, 2014