



# Illinois Department of Transportation

Division of Highways / Bureau of Materials and Physical Research  
126 East Ash Street / Springfield, Illinois / 62704-4766

April 22, 2008

Jeff Warmolts  
Powers Fasteners, Inc.  
2474 Wisconsin Ave.  
Downers Grove, IL 60515

Dear Mr. Warmolts:

Your chemical adhesives, Acrylic 100+, AC100+ Gold, ChemStud and Hammer Capsule have been tested in accordance with the Illinois Department of Transportation's 2007 *Standard Specification for Road and Bridge Construction*, Section 1027 and Illinois Test Procedure 601. The materials represented **are acceptable** for use on Illinois Department of Transportation projects.

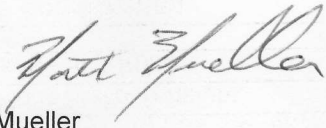
RESULTS OF PRELIMINARY TESTS AND INSPECTION				
	Acrylic 100+	AC100+ Gold	ChemStud	Hammer Capsule
<b>Dry Conditioning (13,550 lbs)</b>				
One Hour Static Tension:	20,936	21,621	28,930	17,632
Slippage (>0.1 in):	Pass	Pass	Pass	Pass
<b>Damp Conditioning</b>				
One Hour Static Tension:	22,047	21,621	25,209	15,347
Slippage (>0.1 in):	Pass	Pass	Pass	Pass
<b>Compressive Strength (Only applicable for gun grade)</b>				
1 Hour Strength: (3,000 psi minimum)	3,762	9,444		
24 Hour Strength: (4,000 psi minimum)	6,096	5,906		

The above mentioned material will be included on the Departments list of "Approved List Of Chemical Adhesives" which can be viewed at the following internet link:  
<http://www.dot.il.gov/materials/chemicaladhesives.pdf>

If you have any questions, contact Ed Hughes, Metals & Miscellaneous Coordinator, at 217-782-4689.

Sincerely,

David L. Lippert, P.E.  
Engineer of Materials  
and Physical Research

By: 

Matt Mueller  
Engineer of Test  
EEH/jy