



Illinois Department of Transportation

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

April 27, 2012

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

Dear Mr. Warmolts:

Your chemical adhesives, AC 50 Silver has 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 material represented **is acceptable** for use on Illinois Department of Transportation projects.

RESULTS OF PRELIMINARY TESTS AND INSPECTION	
<u>Dry Conditioning (13,500 lbs)</u>	<u>AC 50 Silver</u>
One Hour Static Tension:	14065
Slippage (>0.1 in):	Pass
<u>Damp Conditioning</u>	
One Hour Static Tension:	13931
Slippage (>0.1 in):	Pass
<u>Compressive Strength (Gun Grade)</u>	
One Hour Strength: (3,000 psi minimum)	6973
Twenty Four Hour Strength: (4,000 psi minimum)	8790

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:

Matthew W. Mueller, P.E.
Engineer of Test

EEH/jy