



Iowa Department of Transportation

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January 25, 2013

Ref. No. 435.074

Robert Antoinette
Staff Engineer
Powers Fasteners, Inc.
2 Powers Lane
Brewster, NY 10509

Subject: Approval of New Adhesive System, Appendixes A, B, C and D of IM 491.11

Dear Bob:

A recent technical review on the submitted test results concludes the Pure110+, an adhesive system manufactured by Powers Fasteners Inc., in compliant with Iowa DOT Materials Instructional Memorandum 491.11 (IM 491.11). The reported test results also indicate that the Pure110+ meets the creep criteria of ICC-ES AC58 (International Code Council, Evaluation Service). The tests were conducted by the Iowa DOT Central Materials Laboratory, and the Stork Materials Technology in St. Paul, Minnesota.

As a result, the Pure110+ is accepted for use on Iowa road and highway projects, and will be placed on lists of the approved brands of polymer grouts and adhesive anchors, Appendixes A, B, C and D of IM 491.11, respectively. The approval may be withdrawn because of deficient test results, product changes, or unsatisfactory field performance.

This letter will serve as your certification. Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chengsheng Ouyang'.

Chengsheng Ouyang
Cement and Concrete Engineer
Materials

cc: K. Jones
S. Moussalli
M. Coles
T. Jacobson
B. Boell

District Materials Engineers
District Construction Engineers
District Local System Engineers
Resident Construction Engineers