

April 2, 2019

Guru Kumar
Project Engineer - Chemical
ITW Commercial Construction N. A.
700 High Grove Blvd.
Glendale Height, IL 60139

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

Dear Guru:

I have reviewed your request for approval of the Red Head G5+, an adhesive anchor manufactured by the ITW Commercial Construction. The submitted documents and test results indicate the product in compliance with the Iowa DOT IM 491.11. The ICC-ES Evaluation Report also indicates that the product meets the creep criteria of ICC-ES AC308. Based on the documentation provided and the test results reported, this product has been approved and will be added to the Iowa Materials Approved Product List Enterprise (MAPLE), the Appendixes A, B, C and D of IM 491.11, respectively. To search the MAPLE, please visit "<https://maple.iowadot.gov/>".

The approval of the product may be withdrawn any time because of deficient test result, product change, or unsatisfactory field performance. Please feel free to contact me if you have any questions.

Sincerely,



Chengsheng Ouyang
Cement and Concrete Engineer
Office of Construction and Materials

cc: W. Musgrove, Construction and Materials
J. Devries, Construction and Materials
C. Brakke, Construction and Materials
K. Frame, Construction and Materials

R. Graven, Construction and Materials
M. Coles, Construction and Materials
K. Kienast, Employee Services
D. Wagener, Employee Services