This is to signify that

ITW COMMERCIAL CONSTRUCTION NORTH AMERICA TESTING LABORATORY
700 HIGH GROVE BOULEVARD
GLENDALE HEIGHTS, ILLINOIS 60139

Testing Laboratory TL-440

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, General requirements for the competence of testing and calibration laboratories, and has been accredited, commencing December 10, 2014, for the test methods listed in the approved scope of accreditation.

Patrick V. McCullen
Vice President, Chief Technical Officer

C. P. Ramani, P.E.
President

(see attached scope of accreditation for fields of testing and accredited test methods)
# Fields of Testing

<table>
<thead>
<tr>
<th>Field of Testing</th>
<th>Accredited Test Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive and Mechanical Anchors in Concrete and Masonry Systems</td>
<td>ACI 355.2 Table 4.1 (Test Series 1 thru 9), ACI 355.2 Table 4.2 (Test Series 1 thru 13) and 355.4 ASTM Standards E 488 (Excluding Sections 9.5, 11.5 and 11.7), E 1190 and E 1512 (Excluding Sections 7.4.3, 7.4.4 and 7.4.7.2); Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC 70, Table 2 (Test Series 1 thru 21) of AC 01, Table 1 (Excluding Sections 16 and 20) and Table 3 (Test Series 1 thru 21, excluding Test Series 16) of AC 58, Table 3 (Test Series 1 thru 20) of AC 106, Table 4.1 (Test Series 1 thru 15), Table 4.2 (Test Series 1 thru 22) and Table 4.3 (Test Series 1 thru 14) of AC 193, Table 4.1 (Test Series 1 thru 14, excluding Test Series 9a and 9b) and Table 4.2 (Test Series 1 thru 20, excluding Test Series 13a and 13b) of AC 308</td>
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