

# International Accreditation Service, Inc.

# CERTIFICATE OF ACCREDITATION

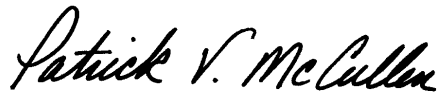
*This is to signify that*

**UNIVERSITAET STUTTGART INSTITUT FUR WERKSTOFFE IM BAUWESEN  
(UNIVERSITAET STUTTGART INSTITUTE OF CONSTRUCTION MATERIALS)**

PFAFFENWALDRING 4  
STUTTGART 70569  
GERMANY

Testing Laboratory TL-230

has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General criteria for the competence of testing and calibration laboratories*, and has been accredited, commencing October 22, 2008, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen  
Vice President



C. P. Ramani, P.E.  
President

*(see attached scope of accreditation for fields of testing and accredited test methods)*

TM

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, or revocation of accreditation. See the IAS *Accreditation Listings* on the web at [www.iasonline.org](http://www.iasonline.org) for current accreditation information, or contact IAS directly at (562) 699-0541. Print Date: 11/14/08

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## SCOPE OF ACCREDITATION

Universitaet Stuttgart Institut Fur Werkstoffe Im Bauwesen TL-230

Universitaet Stuttgart Institut Fur Werkstoffe Im Bauwesen  
(Universitaet Stuttgart Institute of Construction Materials)  
Pfaffenwaldring 4  
Stuttgart 70569  
Germany

Rolf Eligehausen  
Professor  
011-49-711-685-63320

FIELDS OF TESTING	ACCREDITED TEST METHODS
Expansion anchors, chemical anchors and predrilled fasteners	ASTM Standards E 488 and E 1512; American Concrete Institute Standard ACI 355.2; European Technical Approval Guide (ETAG) No. 001(except Embrittlement Test method B), 014 and 020; Test methods specified in Section 5.0 of ICC-ES Acceptance Criteria AC01, Test methods specified in Section 4.0 of ICC-ES Acceptance Criteria AC58, Test methods specified in Sections 3.0 and 4.0 of ICC-ES Acceptance Criteria AC106 (concrete only), Test methods specified in the Tables 4.1and 4.2 of ICC-ES Acceptance Criteria AC193 (except Embrittlement Test method B) and Test methods specified in the Tables 4.1, 4.2, 4.3 and 4.4 of ICC-ES Acceptance Criteria AC308

October 22, 2008  
Commencement Date

  
TM

C. P. Ramani, P.E.  
President

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