

International Accreditation Service

# CERTIFICATE OF ACCREDITATION

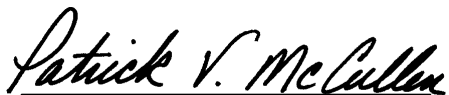
*This is to signify that*

**KRAZAN & ASSOCIATES, INC.**

11715 NORTH CREEK PARKWAY SOUTH, SUITE C-106  
BOTHELL, WASHINGTON 98011

Testing Laboratory TL-277

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), 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 December 1, 2009, 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)*

Print Date: 01/06/2010

Page 1 of 3

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation, revocation, or expiration 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.

International Accreditation Service  
**SCOPE OF ACCREDITATION**


Krazan & Associates, Inc. TL-277

Krazan & Associates, Inc.  
11715 N Creek Pkwy S, Ste C-106  
Bothell, WA 98011

Jeffrey Mercer  
Technical Director  
(425) 485-5519

| <b>FIELDS OF TESTING</b> | <b>ACCREDITED TEST METHODS</b>  |
|--------------------------|---|
| Concrete and aggregates  | ASTM Standard C 109, Test methods referenced under 'Concrete inspection and testing' of ASTM Standard 329 (limited to C 29, C 31, C 39, C 40, C 70, C 78, C 88, C 117, C 123, C 127, C 128, C 136, C 138, C 142, C 143, C 172, C 173, C 192, C 231, C 511, C 566, C 617, C 1064, and C 1231); Test methods referenced in Section 4.0 of ICC-ES Acceptance Criteria AC32 (except Annex C-2). |
| Soil and rock            | ASTM Standards D 2216 and D 6938, Test methods referenced under 'Soils and rocks of ASTM Standard E 329 (limited to D 422, D 698, D 854, D 1557, D 1883, D 2166, D 2435, D 2938 and D 4318)   |
| Masonry and grout        | Test methods referenced under 'Masonry inspection and testing' of ASTM Standard E 329, ASTM Standards C 140, C 1019, C 1314 and C 1388  |
| Clay tile                | ASTM Standard C 67  |

December 1, 2009  
Commencement Date

  
C. P. Ramani, P.E.  
President

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Page 2 of 3

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| <b>FIELDS OF TESTING</b>    | <b>ACCREDITED TEST METHODS</b>  |
|-----------------------------|---|
| Bituminous materials        | Test methods referenced under 'Bituminous inspection and testing of ASTM Standard E 329, and D 2041, AASHTO Standard TP53 |
| Spray-applied fire proofing | Test methods referenced under 'Sprayed fire resistive inspection and testing' of ASTM Standard E 329                      |
| Steel                       | ASTM Standards E 114, E 165, E 164, E 783 and E 1105  |

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Page 3 of 3

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