



Ashok M. Kakade, P.E.
Principal Engineer

EXPERIENCE

Mr. Kakade has over 25 years of experience in construction, investigation, and rehabilitation of concrete structures. He has taught a Concrete Technology course at the University of California Berkeley and University of California Davis Engineering Extension. Mr. Kakade has testified in court as an expert.

Mr. Kakade has constructed reinforced concrete multi-story buildings, masonry and concrete retaining walls, foundations, stucco, concrete and asphalt pavements. He has investigated residential foundations, marine structures, commercial and industrial slabs, high rise buildings, parking structures, tunnel, dams and others. His work determined the causes of distress to concrete structures and designed repairs. Mr. Kakade has worked on projects having distresses due to corrosion of metal in concrete, sulfates, cracking, floor covering failures, moisture emission related distresses in slab-on-grade, alkali-aggregate reactivity, sand pockets and other construction related defects in concrete structures. Mr. Kakade was trained in Germany in the use of sealants, waterproofing compounds, epoxy, polyurethane and modified cementitious repair materials. He has designed and performed advanced repairs to concrete structure. Mr. Kakade has assisted owners in monitoring repairs to concrete structures.

Mr. Kakade has studied the impact-echo test method at Cornell University and uses this and other nondestructive techniques to identify defects in concrete structures. Mr. Kakade has conducted corrosion and chloride content tests, and other tests on hardened regular weight, light weight and roller compacted concrete structures. Mr. Kakade conducted experimental research on cathodic protection systems used to prevent corrosion in reinforced concrete structures.

Designating Mr. Ashok M. Kakade as an expert witness and or the use of this resume in legal proceeding without specific written approval is prohibited.

LICENSE

Registered Professional Civil Engineer
CALIFORNIA, License No. C 52427
NEVADA, License No. C 13442
ARIZONA License No. C 39830

EMPLOYMENT HISTORY

8/1979 - 10/1981: Jr. Engineer
Engineering Construction Corporation, India
11/1981 - 7/1986: Resident Engineer
McBauchemie Muller GmbH & Co., Germany
5/1988 - 12/1994: Senior Engineer
Haynes & Associates, Oakland, CA
1/1995-Present, Principal Engineer
Concrete Science, Inc., Hayward, CA

PROFESSIONAL STANDING

- President, East Bay Structural Engineers Association, 1992, Officer: 1990-1992
- President, Northern California Chapter, International Concrete Repair Institute, 1997
- Member ACI, ICRI, ASCE, ASTM
- ACI Committee 201, Durability
- ACI, Committee 437 Strength Evaluation
- ACI, Committee 360 Slabs-on-Grade
- ACI Committee 332, Residential Concrete
- ACI Committee 364, Rehabilitation
- * Lifetime Achievement Award by Northern CA Chapter of ICRI

EDUCATION

South Dakota School of Mines & Technology,
Rapid City, SD., M.S. in Civil Engineering, 1988
University of Bombay, India, B.S. in Civil
Engineering, 1979