

David Reed  
PO Box 230481  
Encinitas, CA. 92023-0481  
760-505-5467  
david@reedconsult.com

## Profile

As a Council Certified Indoor Environmental Consultant, David Reed, CIEC, has over 24 years experience in the building sciences, and the physics of moisture intrusion, designing solutions for a host of building types and situations. He has been involved with more than 7,500 investigations or specifications on more than 12,000 building sites to resolve water and moisture issues.

David has served as a manufacturer's technical consultant for a variety of waterproofing products, has authored several articles concerning moisture intrusion, and has been a keynote speaker for building inspection and architectural seminars.

David is a seasoned professional, having been involved in waterproofing systems design, investigation of building systems failure, and product research and development. He has worked with architects, builders, contractors, subcontractors, inspectors, homeowners associations, property managers, the military, and municipalities for design and remediation of waterproofing.

David currently or in the past has had membership in several professional organizations including the Forensic Expert Witness Association, Construction Specification Institute, National Roofing Contractor Association, RCI, NRCA, ASTM International, Environmental Assessment Association, the Indoor Environmental Standards Organization, The American & Indoor Air Quality Council, National Institute for Building Sciences, and the International Concrete Repair Institute. David is certified by the American Council for Accredited Certification as a CIEC - (Council-Certified Indoor Environmental Consultant), Environmental Assessment Association as CEI - (Certified Environmental Inspector), and CRS - (Certified Remediation Specialist), International Concrete Repair Institute as a CSMTT - (ICRI Concrete Slab Moisture Testing Technician) and is certified as a Moisture Management Inspector. David continues his education by attending seminars by the American Institute of Architects, Construction Specification Institute, World of Concrete/ Masonry, Associated General Contractors, Sheet Metal Contractors Association, Housing Inspection Foundation, Environmental Laboratories, Sealant and Waterproofing Manufacturer's training courses, Indoor Air Quality Association, EAA, and IESO.

## Areas of Expertise

Waterproofing Systems  
Deck Coating Systems  
Sealants  
Concrete Slab Moisture  
Elastomeric Coatings  
Flashing  
Fracture-Resistant Membrane Systems  
Moisture Management  
Drainage Systems  
Mold Testing  
Mold Remediation Plans  
Cause & Origin Investigations for Water Damage & Mold  
Infrared Thermography

## Professional Experience

2003-PRESENT     David Reed Consulting Inc.

Consulting for waterproofing system design, forensic investigation of waterproofing failures, failure analysis, architectural plan review for weatherproofing, special inspections for installation of waterproofing and coating systems.

Expert Litigation Support.

Moisture intrusion, waterproofing, coatings, Cause & Origin investigation.

Indoor Air Quality inspection and testing, specializing in Mold Testing,

Cause & Origin investigation, and remediation scope of work.

MMI-Moisture Management Inspection.

2008 (June- Sept)     Salerno Livingston Architects/ Building Analysts

Consultant specializing in moisture management and waterproofing systems. Architectural plan review for weatherproofing, special inspections for installation of waterproofing and coating systems. Expert litigation support, cause and origin of moisture intrusion investigations. Building envelope systems design. (Worked part-time on their contracts while working on contracts under Reed Consulting)

2003-2007     Accurate Spec Rep Inc.

Architectural representative for Dex-O-Tex products, deck coating waterproofing, decorative concrete coating, epoxy floor systems, terrazzo flooring, sanitary floor & wall coatings, static dissipative flooring systems.

1989-2003     Sunshine Supply Co. Inc.

Representative for waterproofing materials and systems. Product systems recommendations for waterproofing systems and protective coatings. Problem solving, jobsite inspections. Architectural plan review. Authored periodical articles on waterproofing, deck coating, and weather proofing. Served as a keynote speaker for inspectors, architects, and contractors.

#### 1992-2003                      Waterproofing Product Consulting

Worked as an independent consultant for manufacturers, such as Excellent Coatings Inc., Crossfield Products, Thunderbird Drains, and Polycoat Products. Served as a special inspector, authored installation guides, maintenance guides, and general product guides. Designed systems for waterproofing and deck coating. Served as a liaison between manufacturers and contractors.

#### Professional Associations Past & Present Memberships

- National Institute of Building Sciences
- Forensic Expert Witness Association
- International Concrete Repair Institute
- RCI (formerly Roofing Consultants Institute)
- American Society for Testing and Materials
- Construction Specification Institute
- Building Industry Association
- Environmental Assessment Association
- Indoor Environmental Standards Organization
- Indoor Air Quality Association
- Sheet Metal Contractors Association
- Tile Contractors Association
- National Roof Contractors Association

#### Certifications

- Council Certified Indoor Environmental Consultant (0610055) - 11.2008
- Concrete Slab Moisture Testing Technician - 11.16.10
- Moisture Management Technician - 3.29.06
- Certified Environmental Inspector - 2.3.03
- Certified Remediation Specialist - 2003

#### Waterproofing Education (partial list)

- Costly & Fatal Mistakes Committed by Experts During Video Depositions - 6.1.13
- RCI Roofing Technology & Science - 5.20.13
- Forensic Expert Witness Conference - 5.25-27.2013
- Sika Building Envelope Workshop - 5.2.13
- C.I.M. Factory Trained Applicator Program - 5.30.12
- Forensic Expert Witness Conference- How to be an Effective Expert Witness - 5.26-28.2012
- Fluke Building Diagnostic Applications - 11.09.11
- Cosella Dorken - Ventilated Rainscreen for Improved Moisture Management 7.14.11
- CETCO- Building Envelope University - 6.21.11
- RCI Conference 4.7-12.11
  - Investigation & Litigation of a Roof Failure
  - Communication Strategies for Expert Witnesses 4.10.11
  - The Development of FM approval Standards for Class 1 Steep-Roof covers - 4.10.11

- Effective Attic Ventilation - 4.11.11
- Department of Energy Building Envelops Road Map - 4.11.11
- Case Studies of Roofing & Cladding Failures - 4.11.11
- Cladding Attachment for Three Coat Stucco - 4.11.11
- Roofing Technology and Science I Course 4.9.11
- Dynamic Water Vapor Permeance of Building Materials and the Benefits to Buildings 4.9.11
- Sustainable Insulation 4.9.11
- VOC Regulations 4.9.11
- IAQA-The Future Status of Mold & Indoor Air Quality Litigation - 12.3.10
- ICRI Slab Moisture Testing - 11.16.10
- ParexUSA - Eifs with Drainage 11.10.10
- Hanley Wood University -
  - Comparing Walkable Roof Deck Membranes - 11.8.10
  - Commercial Applications of Manufactured Stone- Techniques, Performance and Aesthetics - 11.8.10
  - Achieving Sustainable Design Goals with Tubular Daylighting Technologies - 11.8.10
  - Design Considerations for Low-Slope Roofs - 11.8.10
  - Design Considerations for Waterproofing Systems - 11.8.10
  - VOC Regulations - 11.8.10
- IAQA-Green Healthy Buildings - 8.7.09
- Contract Review and Revision II: Advanced Topics - 7.7.08
- IAQA- Moisture Intrusion Workshop - 7.14.07
- Building Science Training - 12.12-13.06
  - Historical Development of the Building Enclosure
  - Increasing the Durability of Building Construction
  - The Building Enclosure
  - Rain Control in Buildings
  - Understanding Drainage Planes
  - Flood and Hurricane Resistant Buildings
  - Air Flow Control in Buildings
  - Understanding Air Barriers
  - Pressures in Buildings
  - Moisture and Materials
  - Understanding Vapor Barriers
  - EIFS Stucco and DEFS Claddings
  - EIFS - Problems and Solutions
  - Thermal Control in Buildings
  - Understanding Attic Ventilation
  - Wood Pitched Roof Construction
  - Ice Dams
  - Understanding Basements
  - HVAC in Multifamily Buildings
  - Understanding Ventilation in Hot Humid Climates
  - Solutions for Vapor Impermeable Flooring on Concrete Slabs
  - Curtainwalls
  - Investigating and Diagnosing Moisture Problems
  - Interior Insulation Retrofits
  - Green Building and Sustainability
- IAQA- Clean up and Care of Homes vs. Major Remediation - 11.4.06
- IAQA- Why Buildings Fail - 11.4.06
- IAQA- Being an Expert Witness - 11.4.06
- IAQA- Asset Protection for you Business - 11.4.06
- EMLAB - Bacteria Sampling and Data Interpretation - 10.26.06
- IAQA - Certified Environmentalist Course - 8.21-24.06
- IAQA Green Healthy Buildings
- IAQA- HVAC for Residential Properties - 7.8.06

- IAQA- Ventilation Systems for Raised Foundation Structures - 7.8.06
- IAQA- Report Writing - 3.11.06
- IAQA- Insurance for the Indoor Environmental Industry - 3.11.06
- IAQA- Inspection Pre thru Post Remediation of Mold - 11.5.05
- IAQA- Showers, a Water Management System
- IAQA- Certified Indoor Environmentalist Course
- American IAQ Council - Case Study Conference - 6.29.05
- Applied Thermography Training
- Dex-O-Tex - Decorative Systems Training 8.25.04
- TCA- Solving Tile Problems Before They Occur - 4.15.04
- TCA- A Systems Approach to Tile & Stone - 4.15.04
- TCA - Commercial Applications of Manufactured Stone- Techniques, Performance and Aesthetics - 4.15.04
- Schluter Systems uncoupling, vapor pressure equalization and waterproofing systems - 4.15.04
- EMLAB - Fundamentals of Mold Sampling and Report Interpretation Course
- EMLAB - Mold Inspection & Testing Course
- Lomanco- Concepts and Designs of Attic Ventilation - 11.17.03
- Environmental Solutions Association Mold Inspection Training Course
- Environmental Assessment Association- Electric & Magnetic Fields Course - 5.5.03
- EAA 401- Mold Abatement & Remediation Techniques - 5.20-21.03
- EAA 301- Mold Inspection & Testing - 1.21-22.03
- MoldTech Moisture Management Assessment Course
- World of Concrete- Preventing & Handling Efflorescence 2.5.03
- Mold Abatement & Remediation Techniques Course
- Environmental Assessment Association- Conference - 11.17-19.03
- Vulkem & Paraseal Technical Seminar - 3.21-23.95
- Mameco International Training Course - 3.16.90
- Sika concrete repair, sealants and coatings
- Dex-O-Tex Applicator Training- deck coatings, terrazzo, sanitary floor & wall coatings, static dissipative flooring systems
- Miracote Decorative Coating, Microtopping, Deck Coating
- Excel-Coat Deck Coating Applicator Training
- Tremco & Vulkem Waterproofing, Sealants, Deck Coating
- Paraseal waterproofing systems
- Sonneborn Sealants, Waterproofing Membranes, Deck Coating
- Jiffy Seal Membrane Waterproofing, Anti-fracture Membranes, Flashing Systems, Roof Membranes
- CIM Industrial Membranes for potable water, secondary containment, traffic systems
- Dow Corning sealants, elastomeric coatings
- Koester negative side waterproofing systems
- Fortifiber flashing systems
- W.R. Meadows waterproofing membrane systems
- Johns Manville expansion joint systems
- Tyvek weatherization systems
- Polycoat Products traffic membranes and waterproofing

#### Instructor

- California Department of Insurance Continuing Education Provider
  - Cause & Origin of Moisture in Buildings
  - Cause & Origin of Mold in Buildings
- Architectural Courses
  - Deck Waterproofing Materials & Design
  - Epoxy & ESD Flooring
  - Designs for preventing Moisture Intrusion