COMBINED CURRICULUM VITAE

Gil Chotam and Greg Andrews



Gil Chotam

CTC | C54 | C29 | CSI | CDT | ASTM

Forensic Consultant



Greg Andrews

CTC | C54

Forensic Consultant

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Gil Chotam
CTC | C54 | C29 | CSI | CDT | ASTM
Forensic Consultant – National Tile and Stone Authority

Professional Credentials

Certified Tile Consultant (CTC)
California Contractor License C-54 – Ceramic Tile
California Contractor License C-29 – Masonry
Certified Construction Documents Technologist (CDT) – Construction Specifications Institute
Active voting member – ASTM International technical committees related to construction materials and standards

Expert Summary

Gil Chotam provides expert witness and forensic consulting services in construction defect matters involving tile, natural stone, glass tile, and waterproofing systems.

He conducts forensic investigations, destructive testing, and standards analysis for litigation involving installation failures, material performance, and moisture-related damage. His analysis frequently involves evaluation of installation compliance with project specifications, contract documents, and applicable industry standards.

His work includes expert reports, deposition testimony, and trial testimony in construction defect matters throughout the United States, with particular focus on tile, natural stone, glass tile, and waterproofing system failures.

Expert Witness Experience

Provides forensic investigation, expert analysis, expert reports, deposition testimony, and trial testimony in construction defect litigation involving tile, natural stone, glass tile, and waterproofing systems.

Representative Matters:
Investigations have included glass tile installations, marble and natural stone discoloration caused by moisture migration, tile debonding in submerged environments, tile cracking related to substrate movement, and installation defects involving waterproofing systems.

LITIGATION ENGAGEMENTS

Retained as a consulting and testifying expert in construction defect litigation involving tile, natural stone, glass tile, and waterproofing systems.

Engagements have involved attorneys representing developers, contractors, manufacturers, insurance carriers, and property owners in matters related to installation failures, moisture intrusion, material performance, and compliance with applicable industry standards.

Investigations have included site inspections, destructive testing, laboratory testing review, and analysis of installation compliance with TCNA Handbook methods, ANSI standards, ASTM standards, manufacturer installation instructions, and project specifications.

EXPERT WITNESS & FORENSIC SERVICES

- Site inspections and destructive testing of tile, natural stone, glass tile, and related assemblies.
- Failure analysis of tile and stone installations.
- Evaluation of installation methods, materials, and performance.
- Analysis of ceramic tile, thin brick, and natural stone assemblies used on floors, decks, patios, showers, countertops, veneers, and fireplaces.
- Litigation support involving construction defect claims.
- Interpretation and analysis of industry standards (TCNA, ANSI, ASTM).
- Quality control evaluation and product use verification.

CLIENTS

Attorneys, insurance carriers, developers, contractors, and property owners retain NTSA for forensic investigation and expert testimony involving tile and stone installation failures.

National Tile and Stone Authority
Construction Defect Consulting and Expert Witness Services
8534 Jumilla Ave. Winnetka, CA 91306. M 818 744 4949.
www.ntsaexperts.com

TECHNICAL AND LITIGATION SUPPORT SERVICES

- Installation specification review.
- Project document and contract specification analysis
- Jobsite surveys and failure investigations
- Installation inspections and quality control evaluation
- Non-destructive and on-site testing
- Sample collection and laboratory test coordination
- Repair feasibility evaluation and restoration planning
- Stain removal testing and treatment evaluation
- Technical training and seminars
- Litigation support and case consultation

BACKGROUND EXPERIENCE IN CONSTRUCTION INDUSTRY

National Tile and Stone Authority (NTSA)
Co-Founder and Principal | 2015 – Present
Construction defect consulting and expert witness services involving tile, natural stone, glass tile, and waterproofing systems. Conduct forensic investigations, destructive testing, and standards analysis in litigation matters.

Tile and Stone Authority
Founder and President | 2004 – 2015
Provided consulting and forensic investigation services related to tile and stone installation failures, including expert analysis of construction defects and material performance.

California State Contractors License Board
Subject Matter Expert | 2009 – 2017
Participated in development of contractor licensing examinations for C-54 Ceramic Tile and Mosaic and C-29 Masonry classifications.

Earlier Industry Experience (1988 – 2004)
Installation, fabrication, and management positions within the tile and natural stone industry, including roles with Ceramic Tile Designs, Exact Tile, Splendor Tile Company, Bestile Company, and Adar Ceramics.

PROFESSIONAL CONFERENCES AND TRAINING

Participation in technical conferences and professional seminars related to tile installation, dimension stone, and construction materials including:

- StonExpo
- Coverings
- Surfaces
- TCNA Handbook Conferences
- ASTM Symposium on Dimension Stone Use in Building Construction
- Slip/Fall Prevention Professionals training on floor surface testing and coefficient of friction measurement.

PUBLICATIONS AND TECHNICAL CONTRIBUTIONS

Author and co-author of technical articles addressing tile and natural stone failures, forensic investigation methods, and construction defect issues involving tile and waterproofing systems.

Publications include technical guidance and expert analysis distributed through the National Tile and Stone Authority (NTSA) and professional industry forums addressing installation failures, moisture-related stone discoloration, glass tile failures, and silica exposure in engineered stone fabrication.

Technical writings are intended to assist attorneys, contractors, and industry professionals in understanding installation standards, failure mechanisms, and forensic evaluation of tile and stone assemblies.

PROFESSIONAL COMMITTEES AND AFFILIATIONS

Active voting member of ASTM International technical committees:

C18 – Dimension Stone

C12 – Mortars and Grouts for Unit Masonry

C21 – Ceramic Whitewares and Related Products

F06 – Resilient Floor Coverings

Technical Committee Member – Ceramic Tile Institute of America (CTIOA)

Active member from 2003 until the organization was disbanded in 2017.

Member – Construction Specifications Institute (CSI)

Professional work has included participation in technical committees responsible for the development and review of industry standards related to tile installation systems, mortars, dimension stone, and construction materials.

METHODOLOGY

Forensic evaluations are conducted through site inspection, documentation review, destructive and non-destructive testing when appropriate, and analysis of installation compliance with applicable industry standards including TCNA Handbook methods, ANSI standards, ASTM standards, manufacturer installation instructions, and project specifications.

Professional opinions are developed through independent analysis of site conditions, testing results, construction documents, and applicable industry standards, and are not influenced by the retaining party.

Industry Standards and References

Professional evaluations commonly reference applicable industry standards and technical publications, including:

- TCNA Handbook for Ceramic, Glass, and Stone Tile Installation.
- ANSI A108 / A118 / A136 Tile Installation Standards.
- ASTM International standards related to construction materials and testing.
- Manufacturer installation instructions and technical bulletins.
- Project specifications and architectural contract documents

Greg Andrews
CTC | C54

Forensic Consultant – National Tile and Stone Authority

Specialization:
Failure analysis of glass tile pools, submerged tile systems, and complex tile installations.

Professional Credentials

Certified Tile Consultant (CTC)

California Contractor License C-54 – Ceramic Tile

Expert Summary

Greg Andrews is a construction defect consultant and expert witness specializing in failures involving tile, natural stone, glass tile, and submerged installations. With more than four decades of hands-on installation and investigative experience, his work focuses on failure analysis of tile and stone assemblies, particularly glass tile pools and complex specialty installations.

His forensic work focuses on evaluating installation practices, material performance, and compliance with applicable industry standards including TCNA Handbook methods and ANSI installation standards.

He brings more than 44 years of installation and investigation experience, including the installation of over 150 all-tile swimming pools.

He has participated in industry standards development, served on technical committees, and for the past 25 years has taught installation methods for glass tile and pool installations at national conferences and industry training programs.

Expert Witness Experience

Provides forensic investigation, site inspections, destructive testing, expert reports, and expert analysis in construction defect litigation involving tile, natural stone, glass tile, and waterproofing systems.

Representative matters have included glass tile failures in swimming pools, tile debonding in submerged installations, installation defects involving glass mosaics, and failures involving specialty tile assemblies.

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Construction Defect Consulting and Expert Witness Services
8534 Jumilla Ave. Winnetka, CA 91306.
M 818 744 4949. M 805 341 5570. www.ntsaexperts.com

LITIGATION ENGAGEMENTS

Retained as a consulting and testifying expert in construction defect litigation involving tile, natural stone, glass tile, and submerged tile installations.

Engagements have involved attorneys representing developers, contractors, manufacturers, insurance carriers, and property owners in matters involving installation failures, material performance, and compliance with applicable industry standards.

TECHNICAL AND LITIGATION SUPPORT SERVICES

- Site inspections and destructive testing of tile, natural stone, and glass tile installations
- Failure analysis of ceramic tile, glass tile, thin brick, and natural stone assemblies
- Evaluation of installation methods and construction practices
- Interpretation of industry standards and technical guidelines
- Litigation support involving construction defect claims
- Quality control evaluation and product use verification

CLIENTS

Attorneys and construction professionals retain NTSA for forensic investigation and expert consultation involving tile, natural stone, glass tile, and submerged tile installations.

PROFESSIONAL EXPERIENCE

- National Tile and Stone Authority – Co-Founder / Forensic Consultant (2015–Present)
- Ceramic Tile and Stone Consultants – Inspector / Consultant (2011–2015)
- Tile and Stone Authority – Field Operations Manager / Inspector (2005–2015)
- Excetera Consulting – Associate Inspector (2004–2011)
- Ceramic Tile Institute of America – Associate Inspector (1995–2007)

BACKGROUND EXPERIENCE IN CONSTRUCTION INDUSTRY

- Over 44 years' experience in the installation of tile and stone, including residential, commercial, industrial, pools & water features.
- Extensive experience with glass mosaics, murals, and various other special materials.

- Over the past 12 years, focus has returned to glass mosaic tile and mural installations, with particular emphasis on all-glass mosaic pools.

TEACHING/TRAINING

Ceramic Tile Institute of America – CTC Instructor (1995–2004)
Instructor for the Certified Tile Consultant (CTC) program teaching installation of murals, Roman tubs, and glass mosaic systems.

- **Selected training and speaking engagements include:**
- **Genesis 3 Design School** – Instructor (2006–Present)
  Instructor and presenter on tile and glass tile installation methods at industry conferences, training programs, and professional seminars. Topics have included glass tile installations in swimming pools, submerged tile systems, waterproofing, and specialty mosaic installations.
- **International Pool Spa and Patio Expo** – Speaker
- **Coverings** – Industry presenter on glass tile and pool tile installations
- **Total Solutions Plus** – Speaker on submerged glass tile systems
- **Hanley Wood -** International Pool Spa and Patio Expo
  Residential and commercial pool tile installation
  Glass Tile in pools - the Good, the Bad and the Ugly.
- **Best Tile of New England 2009**
  Glass tile installation in pools and residential applications

  Total Solutions – Presenter
  Glass Tile in Submerged Applications
- **Total Solutions Plus**
  Glass Tile; Conquer the Fear Factor.
- **Coverings – Industry Presenter**
  Presentations on glass tile pool construction, submerged tile installations, and specialty glass mosaic systems.

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CONTINUING EDUCATION

- **Ceramic Tile Institute of America 1995-2011**
  Re-certified CTC certification annually.
- **Conferences – 1998-Present**
  Attend 4-5 industry-related classes or seminars annually at one or more of the following trade conferences:
  - Coverings
  - Total Solutions Plus
  - Surfaces
  - World of Concrete
  - International Pool Spa and Patio Expo
  - Genesis 3 construction school
  - Master Pool Guild

TECHNICAL CONTRIBUTIONS

- Contributed to revisions of ANSI A108 installation standards through participation with the Tile Council of North America.
- Pool Tile Sub-Committee Chair, Ceramic Tile Institute of America (2008–2011), contributing to development and publication of the CTIOA Pool Tile Installation Guideline.

INDUSTRY INVOLVEMENT

Ceramic Tile Institute of America - 1995–2011
Member of the Technical Committee

- Technical Committee Voting Member
- CTC designation
- Associate inspector

Pool tile sub-committee chair 2008–2011, producing and publishing the CTIOA Pool Tile Installation Guideline.

National Tile Contractors Association - 2004–2009

- Technical committee
- Region 12 board member
- Speaker at regional and national trade shows on the topics of glass tile and pool tile installations

Tile Council of North America (TCNA) – 2004–2009

- Co-authored and reviewed revisions to ANSI A108 installation standards for tile assemblies.

California State License Board - 2013-2014.

- Subject Matter Expert for the State of California State Contractor's License Board. Assisted in writing the new tests for C-54 Ceramic Tile & Mosaic

CONSULTING SERVICES

Consulting services include failure investigation of tile and stone installations, specification review, installation evaluation, destructive and non-destructive testing, quality control inspections, and expert consultation in construction defect matters involving tile, glass tile, and natural stone assemblies.