

ACI 562 Concrete Building Evaluation & Repair Training

15 – 19 February 2027
Barcelona (Spain)

UK Training

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A photograph of chess pieces on a checkered board. In the foreground, a large gold king piece stands prominently on a dark square. To its left, a silver pawn piece sits on a light square. Further back, another silver pawn piece is visible on a light square. The background features a series of concentric, light gray circles that create a sense of depth and focus on the king piece.

ACI 562 Concrete Building Evaluation & Repair Training

Ref: 322852_216583 **Date:** 15 – 19 February 2027 **Location:** Barcelona (Spain) **Fees:** 5200 GBP

Course Description

This 5-day intensive course covers the evaluation, repair, and rehabilitation of concrete buildings according to ACI 562 code requirements. Participants will gain in-depth knowledge of assessment techniques, repair strategies, and rehabilitation methods for existing concrete structures. The course combines theoretical concepts with practical applications, preparing professionals to tackle real-world concrete repair challenges.

Learning Objectives

- Understand and apply ACI 562 code requirements for concrete building assessment and repair
- Master techniques for evaluating existing concrete structures and identifying deterioration causes
- Develop effective repair and rehabilitation strategies for various concrete building issues
- Learn to design and implement durable concrete repairs that meet code standards
- Gain practical skills in selecting appropriate repair materials and methods
- Understand quality assurance procedures and long-term maintenance planning for repaired structures

Course Modules

Day 1: Introduction to ACI 562 and Concrete Building Assessment

- Overview of ACI 562 code requirements and applicability
- Structural condition assessment techniques
- Non-destructive testing methods for concrete
- Deterioration mechanisms in concrete structures

Day 2: Evaluation and Analysis of Existing Concrete Structures

- Load-carrying capacity evaluation
- Durability assessment and service life prediction
- Structural analysis of deteriorated concrete members
- Case studies in concrete building evaluation

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Day 3: Repair Design and Material Selection

- Repair strategy development and design criteria
- Selection of repair materials and compatibility issues
- Strengthening techniques for concrete structures
- Repair detailing and specification writing

Day 4: Rehabilitation Techniques and Construction Practices

- Surface preparation and concrete removal methods
- Application techniques for various repair materials
- Crack repair and injection methods
- Quality control and assurance in concrete repairs

Day 5: Long-term Performance and Special Topics

- Durability considerations for repaired structures
- Maintenance planning and periodic assessment
- Sustainability in concrete repair and rehabilitation
- Emerging technologies in concrete repair

Practical Wins for Participants

- Ability to conduct thorough assessments of concrete buildings using ACI 562 guidelines
- Skills to design effective and code-compliant concrete repair solutions
- Knowledge to select appropriate repair materials and techniques for various concrete issues
- Capability to develop long-term maintenance strategies for repaired concrete structures

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The board is checkered and has a subtle grid pattern. The text 'UK Training' is in a small, sans-serif font, and 'PARTNER' is in a large, bold, sans-serif font, both in black.

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