

BUILDING FINISHES & REHABILITATION WORKS

““Delivering Quality, Durability, and Cost-Efficiency in Interior Finishes and Building Restoration””

Schedule

Date	Venue	Fees (Face-to-Face)
01 - 05 Feb 2026	Doha, Qatar	USD 3495 per delegate
15 - 19 Feb 2026	Abu Dhabi, UAE	USD 3495 per delegate

Introduction

Building finishes play a vital role in both the performance and appearance of structures. From plastering and painting to flooring and cladding, finishing works must be executed with precision to meet design expectations, safety standards, and lifecycle requirements. Rehabilitation, on the other hand, ensures aging or damaged structures are restored effectively—preserving integrity, aesthetics, and functionality.

This 5-day course provides participants with a comprehensive understanding of building finishes, common defects, repair techniques, materials, and project execution methods. The program also focuses on diagnostic procedures and the latest technologies used in the rehabilitation of residential, commercial, and industrial buildings.

Objectives

By the end of this course, participants will be able to:

- Understand types and specifications of internal and external finishes
- Identify common finishing problems and assess quality during application
- Plan and supervise finishing work for durability and design compliance
- Conduct diagnostics for structural and surface degradation
- Apply repair methods and materials for structural and aesthetic rehabilitation
- Ensure quality assurance and cost-effective execution of rehabilitation works

Why Attend

- Gain technical skills to manage high-quality finishing and repair works
- Learn about new materials, trends, and eco-friendly finishing options
- Improve diagnostic capability to assess and plan rehabilitation
- Reduce rework and enhance building lifecycle through quality control
- Strengthen your ability to coordinate multi-trade finishing and repair teams

Target Audience

This program is designed for:

- Civil engineers, architects, and construction supervisors
- Maintenance and facility managers
- Site engineers and finishing contractors
- Project managers involved in renovation or rehabilitation
- QA/QC professionals in building and infrastructure projects

Individual Benefits

Key competencies that will be developed include:

- Specification and inspection of finishing materials
- Supervision of plastering, tiling, flooring, and paint works
- Building repair diagnosis and method selection
- Finishing defect resolution and safety compliance
- Project planning and reporting of rehabilitation phases

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced delays and defects in finishing stages
- Durable, attractive finishes aligned with client expectations
- Lower costs due to fewer finishing errors or repair cycles
- Better integration of maintenance and rehabilitation planning
- Increased customer satisfaction and long-term asset value

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Building finish standards, project sequencing, and rehabilitation methods
- Hands-On Exercises - Defect identification, materials selection, and finishing schedules
- Case Studies - Successful rehabilitation and fit-out execution from the region
- Workshops - Evaluating finish quality and designing repair interventions
- Peer Exchange - Experience sharing on finishing challenges and field solutions
- Tools - Checklists for finish work inspection, repair logs, and diagnostic templates

MAWA EVENTS

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Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Finish Systems and Defect Diagnosis

- **Module 1: Classification of Building Finishes** (07:30 – 09:30)
 - Interior vs. exterior finishes
 - Wet vs. dry finish systems
 - Functions: aesthetic, thermal, acoustic, and protection
 - Finish systems by zone: walls, floors, ceilings, facades
- **Module 2: Common Defects and Failure Patterns** (09:45 – 11:15)
 - Shrinkage, settlement, and thermal cracking
 - Peeling, blistering, flaking, and efflorescence
 - Delamination and de-bonding of coatings or tiles
 - Root cause analysis process
- **Module 3: Surface Inspection and Assessment Techniques** (11:30 – 01:00)
 - Visual inspection and surface preparation standards
 - Moisture meters, adhesion testers, and defect photography
 - Documentation of failure patterns for analysis
- **Module 4: Workshop – On-site Defect Logging and Analysis** (02:00 – 03:30)
 - Participants review visual examples, diagnose likely causes, and recommend follow-up action

Day 2: Internal Finishes: Wet, Dry, and Decorative Systems

- **Module 5: Plastering, Rendering, and Screeds** (07:30 – 09:30)
 - Surface compatibility, bonding agents, and curing
 - Differences between cementitious, lime, and gypsum plasters
 - Screed types and levelling compound usage
- **Module 6: Decorative Coatings and Paint Systems** (09:45 – 11:15)
 - Primer selection and application conditions
 - Emulsion, epoxy, PU, fire-resistant coatings
 - Avoiding paint defects: bubbling, chalking, and discoloration
- **Module 7: Dry Finishing Systems** (11:30 – 01:00)
 - Drywall, ceiling tiles, acoustic and modular panels
 - Taping, jointing, and crack prevention
 - Fireproofing and thermal behavior of drywalls
- **Module 8: Practical – Internal Finish Review and BOQ Alignment** (02:00 – 03:30)
 - Participants assess and critique finish BOQ items and site sequencing plans

Day 3: External Finishes & Rehabilitation of Surfaces

- **Module 9: Cladding Systems and Fixing Methodologies** (07:30 – 09:30)
 - Stone, GRC, ACP, and composite finishes
 - Mechanical fixing, back-ventilation, and anchor types
 - Detailing for drainage, movement, and joint coverage
- **Module 10: Façade and Surface Rehabilitation** (09:45 – 11:15)
 - Delamination correction, surface reprofiling
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Crack injection, stitching, and patch repair

- Reinforcement exposure and carbonation issues
- **Module 11: Anchoring, Re-anchoring, and Corrosion Treatment** (11:30 – 01:00)
- Resin and chemical anchor systems
- Re-anchoring panels and cladding in old structures
- Rust removal, protective coatings, and cover restoration
- **Module 12: Case Study – Façade Rehabilitation Planning** (02:00 – 03:30)
- Teams review structural inspection data and propose rehab approaches

Day 4: Waterproofing, Insulation, and Protective Systems

- **Module 13: Waterproofing Systems for Wet and Exposed Areas** (07:30 – 09:30)
- Membrane systems – bitumen, TPO, EPDM, PU, and cementitious
- Wet area waterproofing and terminations
- Roof, basement, and podium slab challenges
- **Module 14: Thermal and Acoustic Insulation** (09:45 – 11:15)
- EPS, XPS, rock wool, PIR – applications and installation
- Soundproofing principles and insulation detailing
- Fire resistance and environmental considerations
- **Module 15: Functional and Protective Coatings** (11:30 – 01:00)
- Anti-carbonation, chemical-resistant, elastomeric coatings
- UV-resistant and anti-graffiti layers
- Compatibility with substrate and finish coats
- **Module 16: Group Workshop – Finishing and Waterproofing Plan** (02:00 – 03:30)
- Participants propose finish and waterproofing layouts for assigned building zone

Day 5: Execution, QA/QC, and Final Project

- **Module 17: Site Execution and Safety Planning** (07:30 – 09:30)
- Coordination with MEP and services
- Scaffold, access platform, and fall protection
- Planning access and finish sequences by zone
- **Module 18: QA/QC for Finish Works** (09:45 – 11:15)
- Sampling, testing, mock-up control, and sign-off protocols
- Use of checklists and test certificates
- Punch list and defect closure methods
- **Module 19: Project Handover and Aftercare** (11:30 – 01:00)
- Documentation, DLP management, and warranty terms
- Maintenance manuals and asset tagging
- Common disputes and resolution strategies
- **Module 20: Final Team Presentation – Full Rehabilitation Strategy** (02:00 – 03:30)
- Teams present a finish and rehab plan covering diagnosis, detailing, and execution
- Feedback and wrap-up

Certification

Participants will receive a **Certificate of Completion in Building Finishes & Rehabilitation Works**, recognizing their capability to oversee, inspect, and deliver quality finishing and repair operations in construction projects.

Why Choose MAWA Events

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