2027 HANDS-ON RESTORATION WORKSHOPS:



Tuesday, March 23, 2027 - Wednesday, March 24, 2027
In-Person

1. Terra Cotta, Stone & Historic Concrete Repair
2a. Historic Repointing
2b. Structural Strengthening by Injection Grouting and Carbon Fiber Cement Matrix Plastering

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These two full-day programs are designed to provide owners, architects, engineers, contractors and conservators with a detailed, practical understanding of repair systems and mortars and methods for proper application. Through a combination of presentations, demonstrations and exercises, participants will learn the techniques and approaches needed to properly complete masonry repair and repointing projects. *Register for either day, or both days.* ***Each course qualifies for 7 hours of Continuing Education credit (self-reporting).***

TOTAL PARTICIPANTS WILL BE LIMITED SO REGISTER QUICKLY - THIS EVENT WILL SELL OUT!

March 23: Terra Cotta, Stone & Historic Concrete Repairs

MATERIALS PERFORMANCE
This workshop explains the significance of each of the various materials properties for stone, concrete and masonry repair materials. Through examples and case studies, participants are then provided with an understanding of how to approach material selection.

COLOR AND APPEARANCE
The best esthetic results rely on a combination of properly matched materials and suitable application techniques. The basics of color science, and how those concepts are applied to masonry restoration work are reviewed. Techniques for maximizing esthetic success, including various approaches to tooling, texturing, forming/pouring and exposure of aggregates are then illustrated through project examples and live demonstrations.

APPLICATION PROCESS
Approaches to repairs of different sizes and depths, replication of complex terra cotta glaze finishes, and the special issues revolving around wet terra cotta buildings are detailed. Particular attention is paid to properly sequencing work.

HANDS ON SESSIONS
The workshops include live demonstrations and hands-on exercises, giving participants an opportunity to see and feel the various repair and refinishing systems used in terra cotta and stone repair, and to try their hands at basic composite repair. Particular emphasis is placed on how to create different textures and profiles, how to blend repairs with adjacent elements, and how to control color variations.

MATERIALS

- **Composite Patching: Deep and Thin-Section Repair Mortars, Casting Mortars**
- **Adhesives and Primers**

- **Glaze Replacements and Faux Finishes**
- **Weathering Stains**

March 24: Historic Mortars & Repointing, Structural Strengthening by Injection Grouting and Carbon Fiber-Reinforced Cement Plastering

A. HISTORIC REPOINTING

This program begins with a review of the basic components, principles and standards applying to both modern and historic masonry mortars and grouts. Included are the basic chemistry of various types of limes and cements, aggregate selection criteria, proportioning guidelines for modern and historic mortars, applicable ASTM Standards, approaches to color control and issues in mortar analysis.

Live demonstrations and Hands-On exercises will be the focal points of the program, enabling participants to see and better understand the key principles, materials, techniques and issues relating to use of mortars for various types of repointing and rebuilding projects.

Preparation of masonry for repointing will be discussed and various tools and techniques will be demonstrated. Parameters for performing consistent, high quality work will be detailed. Options for designing repointing mixes for both contemporary and historic buildings and structures will be reviewed. Issues of field-mixed vs. prepackaged mortars, proportion vs. performance requirements, and proprietary vs. generic mortars will be discussed.

MATERIALS:

- **Quicklime and Hot Mixing, Lime Putty, Lime Hydrate**
- **Natural Hydraulic Limes**, **Pozzolanic Hydraulic Lime**
- **Natural Cement**
- **Portland Cement**
- **Aggregates for Mortar**

B. INJECTION GROUTING

The component on injection grouting includes case studies and demonstrations. Selection criteria based on compatibility with existing masonry assemblies are discussed.

Microinjection grouting of a multi-wythe brick test wall will be demonstrated. Use of microinjection grouts for surface filling of fine stone and masonry cracks will also be demonstrated.

C. CARBON FIBER REINFORCED CEMENT PLASTERS

Seismic upgrade, structural strengthening and structural repair will be the subject of a half-day program presented by experts from the manufacturers of Ruregold.

Each participant will have the opportunity to perform a sample application of Ruregold carbon fiber reinforced cement plaster.

TRAVEL & LODGING

Edison Coatings is located at 3 Northwest Drive, Plainville, CT.

Intercity bus service is available to Farmington, CT, and the terminal is a short ride share from our plant.

The closest airport is Hartford/Springfield (BDL), about 35 minutes from our plant. Hartford is served by several major airlines, including Southwest, Delta, United, American, US Airways and Air Canada.

The closest accommodations are at the Fairfield Inn - Plainville, about 2 miles from our plant and the Hampton Inn & Suites Hartford Farmington, about 3 miles from our plant. The Courtyard by Marriott Hartford Farmington is 2 exits east of us; Holiday Inn Express and Motel 6 are on Queen Street in Southington, 1 exit west.

COURSE INCLUDES:

All materials, course notes and a few basic tools. Certificates of Completion will be provided to all participants.

Participants will be provided with lunch, snacks and beverages.

FOR MORE INFORMATION CONTACT RICHARD DOANE AT EDISON COATINGS:

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Online Registration: CLICK HERE