Amy Lamb Woods

Director of Technical Education, International Masonry Institute

Biography

Amy Lamb Woods is the Portland Director of Technical Education with the International Masonry Institute (IMI) and a licensed Professional Engineer in Washington, Wisconsin, and Minnesota. Her background combines architecture, historic preservation, and civil engineering materials. Ms. Woods has over 18 years of experience in the field of forensic engineering of building materials, both historic and contemporary structures. Her experience includes facade and failure investigations with materials such as brick masonry, terra cotta, stone, concrete, terrazzo, and stucco. Her primary interest is with projects involving the investigation and repair of historic masonry and concrete materials. From the University of Illinois at Urbana-Champaign, Ms. Woods obtained a BS in Architecture, MA in Architecture Historic Preservation, and an MS in Civil Engineering Building Materials with a focus on cement chemistry. She is a Board member for the Association for Preservation Technology International (APT) and founder of Women in Restoration & Engineering (WiRE).

Patina, Soiling, and Cleaning

This presentation considers several parameters that surround and affect decisions on historic concrete surface treatment, including patina, soiling, weathering, cleaning, and matching - beforehand and during the project. These include aligning the purposes of cleaning with expectations, who makes decisions and when, applicable standards, methods of specifying cleaning, developing a cleaning plan, and field considerations such as sequence of work, environment conditions,

Concrete patina soiling and cleaning. Photo credit: Amy Lamb Woods

protection, and field testing and mockups. A general overview of currently available treatments will be presented: water, misting, detergents, chemicals, biocides, poultice methods, micro-abrasive systems, and mechanical hand tool methods. Understand how to select the method(s) appropriate for the project.