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Masonry

JAI Guest Editors:
Jamie Farny
William L. Behie

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Foreword

THIS COMPILATION OF THE *JOURNAL OF ASTM INTERNATIONAL (JAI)*, STP1512, on *Masonry*, contains only the papers published in JAI that were presented at a symposium in St. Louis, MO, June 8, 2010 and sponsored by ASTM Committees C01 on Cement, C07 on Lime, C12 on Mortars and Grouts for Unit Masonry, and C15 on Manufactured Masonry Units.

The JAI Guest Editors are Jamie Farny, Portland Cement Association, Skokie, IL, USA and William L. Behie, Holcim, Huntersville, NC, USA.

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Overview

Whether used as veneer, as a structural system, or as both, masonry has served people well for a long time. Yet materials and systems are continuously evolving. Through testing, research programs, and forensic evaluations, it's possible to analyze what works well, where improvements can be made, and what techniques can make masonry systems more robust so that they are better able to perform their intended function.

Since moisture plays a key role, keeping water out of the structure is a top priority—whether for interior comfort, to keep occupants dry; for structural durability, to reduce the opportunity for rust and degradation; or for aesthetics, to minimize potential for efflorescence and otherwise maintain a pleasing appearance.

Testing and research are critical tools to study physical performance of masonry assemblies, including various aspects of strength and durability.

And ultimately, it's important to use common sense in the way we design, build, and repair masonry construction.

The 12 papers contained in this STP address these issues and more, adding to the body of knowledge of masonry. The information can be used to improve new and old installations so that masonry attains its top performance, both structurally and aesthetically.

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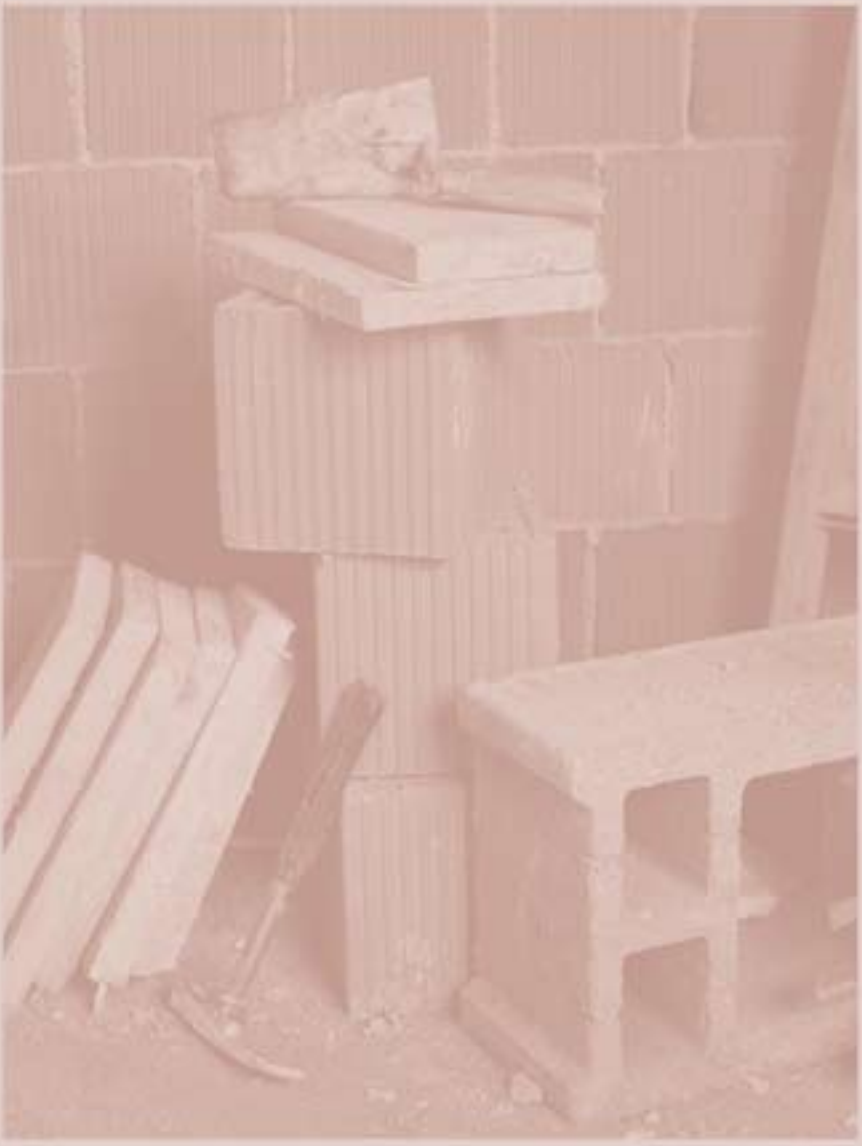

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