CLEANING STONE and MASONRY

James R. Clifton, EDITOR

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Foreword

This publication, *Cleaning Stone and Masonry,* contains papers presented at the symposium on The Cleaning of Stone and Other Masonry, which was held in Louisville, Kentucky, on 18 April 1983. The event was sponsored by ASTM Committee E-6 on Performance of Building Constructions. Seymour Lewin, New York University, presided as chairman of the symposium, and James R. Clifton, National Bureau of Standards, served as editor of this publication.

Related ASTM Publications

Masonry: Research, Application, and Problems, STP 871 (1985), 04-871000-07

Masonry: Materials, Properties, and Performance, STP 778 (1982), 04-778000-07

A Note of Appreciation to Reviewers

The quality of the papers that appear in this publication reflects not only the obvious efforts of the authors but also the unheralded, though essential, work of the reviewers. On behalf of ASTM we acknowledge with appreciation their dedication to high professional standards and their sacrifice of time and effort.

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Introduction

Cleaning is an important process in the preservation and restoration of historic stone and masonry monuments and buildings. In addition, cleaning can have an important role in rehabilitation and repair projects by allowing inspection of the surface conditions before decisions are made on the extent of needed repairs. While often the main purpose of cleaning is to improve the aesthetic appearance of masonry, cleaning can also significantly increase the life of the masonry by the removal of deleterious surface deposits. However, the use of improper cleaning materials and practices can cause serious damage to masonry. A need, therefore, exists for standard test methods and performance criteria to form a technical basis for selecting effective but safe cleaning materials and processes. This need has become more urgent during the past two decades as growing levels of air pollution have resulted in increased accumulation of surface deposits containing acidic materials.

This volume contains papers presented at the ASTM symposium on The Cleaning of Stone and Other Masonry, sponsored by ASTM Committee E-6 on Performance of Building Constructions. The symposium was organized to disseminate information on the state of the art of cleaning materials and practices and on current research. Hopefully, dissemination of this information will result in more effective cleaning programs for stone and masonry.

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