

(STP 473

AMERICAN SOCIETY FOR TESTING AND MATERIALS

FINENESS OF CEMENT

A Symposium presented at the Seventy-first Annual Meeting AMERICAN SOCIETY FOR TESTING AND MATERIALS San Francisco, Calif., 23–28 June, 1968

ASTM SPECIAL TECHNICAL PUBLICATION 473

List price \$7.75



AMERICAN SOCIETY FOR TESTING AND MATERIALS 1916 Race Street, Philadelphia, Pa. 19103

© BY AMERICAN SOCIETY FOR TESTING AND MATERIALS 1970 Library of Congress Catalog Card Number: 79-108624 SBN 8031-0055-8

NOTE

The Society is not responsible, as a body, for the statements and opinions advanced in this publication.

> Printed in March 1970 Baltimore, Md.

Foreword

The Symposium on Fineness of Cement was given at the Seventy-first Annual Meeting of ASTM held in San Francisco, Calif., 23–28 June 1968. The sponsor of this symposium was Committee C-1 on Cement. G. J. Verbeck, Portland Cement Assn., presided as symposium chairman.

The paper on "Fineness of Fly Ash by the Hydrometer Method," by Vladimir Nicolayeff and Alexander Klein, was presented at the symposium but because of illness of the author was not released for publication.

Related ASTM Publications

Analytical Techniques for Hydraulic Cement and Concrete, STP 395 (1966), \$4.75

Cement, Comparison of Standards and Significance of Particular Tests, STP 441 (1968), \$4.00

Contents

Introduction

- ASTM Methods for the Surface Area Analysis of Portland Cement— 3 W. G. HIME
- Precision of Air-Permeability, Turbidimeter, and No. 325 Sieve Fineness 20 Data—H. T. ARNI
- Application of the Andreasen Pipet to the Determination of Particle Size 45 Distribution of Portland Cement and Related Materials—P. s. GRINDROD
- The Effect of Cement Fineness on Concrete—E. C. HIGGINSON 71
- Use of the Coulter Counter and the Alpine Sieve for Particle Size Analysis 82 of Cement—O. E. BROWN, G. S. BOBROWSKI, AND R. E. KOVALL
- Comparison of the Air-Jet Sieve Method for Determining the Fineness of 98 Cement with Some ASTM Standard Methods—v. M. MALHOTRA AND N. G. ZOLDNERS

