

IS : 6932 (Part IV) - 1973

Indian Standard

METHODS OF TESTS FOR BUILDING LIMES

**PART IV DETERMINATION OF FINENESS OF
HYDRATED LIME**

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0. FOREWORD

0.1 This Indian Standard (Part IV) was adopted by the Indian Standards Institution on 22 March 1973, after the draft finalized by the Building Limes Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 Hitherto, methods of tests for assessing qualitative requirements of building limes were included in IS : 712-1964. For facilitating the use of these tests it has been decided to print these tests as different parts of a separate Indian Standard. This part covers determination of fineness of building limes.

0.3 In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS : 2-1960*.

1. SCOPE

1.1 This standard (Part IV) covers the procedure for determination of the fineness of hydrated lime represented by the mass of the residue left on a standard IS Sieve conforming to IS : 460-1962†.

2. GENERAL

2.1 Preparation of the Sample — The sample shall be prepared in accordance with 7.2 of IS : 712-1973‡.

*Rules for rounding off numerical values (*revised*).

†Specification for test sieves (*revised*).

‡Specification for building limes (*second revision*).

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2.2 The distilled water (*see* IS : 1070-1960*) shall be used where use of water as a reagent is intended.

3. DETERMINATION OF FINENESS

3.1 Procedure — The IS Sieves specified in the material specification shall be superimposed, one above the other with the coarser sieves at the top and finer sieves at the bottom. Holding the sieves in both hands, sieving shall be done with a gentle wrist motion, this will involve no danger of spilling the lime which shall be kept well spread out on the sieve. Place 100 g of the hydrated lime on the top sieve and the material washed through the sieves with a moderate jet of water from a flexible tube, the whole operation shall not take more than 30 minutes. The residue shall not be rubbed through the sieve. The residue on each sieve shall be dried at $100 \pm 10^\circ\text{C}$ to constant mass. The residue on each of the sieves shall be weighed.

3.2 Report of Test Results — The result shall be expressed as a percentage of mass of the hydrated lime taken.

*Specification for water, distilled quality (*revised*). (Since revised)

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TO

IS:6932(Part 4)-1973 METHODS OF TESTS FOR
BUILDING LIMES

PART 4 DETERMINATION OF FINENESS OF HYDRATED LIME

Alterations

(Page 1, clause 1.1, line 3) - Substitute
'IS:460(Part 1)-1978' for 'IS:460-1962'.

(Page 1, foot-note with '*' mark) - Substitute
the following for the existing foot-note:

'*Specification for test sieves: Part 1 Wire
cloth test sieves (second revision).'

(BDC 4)