

(PREVIEW)

## *Indian Standard*

# METHOD OF TEST FOR VITREOUS ENAMELWARE

## PART 2 TEST METHODS

### Section 3 Resistance to Boiling Water and Water Vapour

## 0. FOREWORD

**0.1** This Indian Standard ( Part 2/Sec 3 ) ( First Revision ) was adopted by the Bureau of Indian Standards on 20 May 1988, after the draft finalized by the Ceramicware Sectional Committee had been approved by the Chemical Division Council.

**0.2** The Committee, while reviewing IS : 3972, decided to publish the standard in two parts. Part 1 will deal with production of Specimen ( in two sections ). Part 2 will deal with various test methods applicable to vitreous enamelled sheet steel and vitreous enamelled cast iron. The Committee also decided that Part 2 shall have various sections and each section would deal with a particular test method. Section 1 and Section 2 covering resistance to citric acid at room temperature and boiling temperature, and low and high voltage test for detecting and locating defects have already been published, while Section 4, Section 5 and Section 6 covering resistance to thermal shock, resistance to hot alkali ( sodium hydroxide ), and reflectance and specular gloss respectively are under print.

**0.3** In this section ( Part 2/Sec 3 ), test method for determining the resistance to boiling water and water vapour has been prescribed. Surface treatment method ( hot water ) test for water resistance has been deleted and total immersion method ( boiling water ) test has been modified. Simmering time has been increased from 2½ hours to 2 days or 14 days.

**0.4** In the preparation of this standard, assistance has been derived from ISO 2744-1973 Vitreous and porcelain enamels Determination of resistance to boiling water and water vapour, issued by the International Organization for Standardization ( ISO ).

**0.5** In reporting the result 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\*.

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

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## 1. SCOPE

**1.1** This Indian Standard ( Part 2/Sec 3 ) prescribes the methods of test for determining the resistance to boiling water and/or water vapour applicable to vitreous enamelled sheet steel and cast ironwares/flat resistance to boiling water and/or water vapour surfaces.

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