

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 475

DIMENSIONS OF RECTANGULAR
REFRACTORY BRICKS

1st EDITION

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BRIEF HISTORY

The ISO Recommendation R 475, *Dimensions of Rectangular Refractory Bricks*, was drawn up by Technical Committee ISO/TC 33, *Refractories*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question by the Technical Committee began in 1959 and led, in 1962, to the adoption of a Draft ISO Recommendation.

In March 1963, this Draft ISO Recommendation (No. 568) was circulated to all the ISO Member Bodies for enquiry. It was approved by the following Member Bodies:

Austria	Greece	Portugal
Chile	Hungary	Romania
Czechoslovakia	India	Spain
Denmark	Italy	Sweden
France	Japan	United Kingdom
Germany	Netherlands	U.S.A.

One Member Body opposed the approval of the Draft: U.S.S.R.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council which decided, in March 1966, to accept it as an ISO RECOMMENDATION.

DIMENSIONS OF RECTANGULAR REFRACTORY BRICKS

INTRODUCTION

In view of the considerable diversity existing at present in the dimensions of refractory bricks, it was considered desirable to ensure that, wherever possible, a selected series of sizes should be manufactured and used. The proposed series is based on a unit brick of dimensions 230 mm × 114 mm × 64 mm, the making of which is considered to necessitate minimum alteration in current production and design methods.

A considerable proportion of the sizes now used correspond to the recommended series, but it is appreciated that two other series are widely employed. Sizes based on dimensions 220 mm × 110 mm × 60 mm and 250 mm × 124 mm × 64 mm should, therefore, be recognized.

1. SCOPE

This ISO Recommendation defines the dimensions of recommended sizes of rectangular refractory bricks.

2. RECOMMENDED SIZES

The recommended sizes of rectangular refractory bricks are as follows:

230 mm × 114 mm × 64 mm
230 mm × 114 mm × 32 mm
230 mm × 172 mm × 64 mm
230 mm × 230 mm × 64 mm
230 mm × 57 mm × 64 mm

3. TOLERANCES

Tolerances on the above-mentioned dimensions should be the subject of agreement between the manufacturer and the purchaser.