

Australian Standard™

AS 1774.2

Refractories and refractory materials— Physical test methods

Method 2: Determination of bulk density of granular materials

PREFACE

This Standard was prepared by the Standards Australia Committee MN-007 Refractories and Refractory Materials, to supersede AS 1774.2—1991. The method is based on procedures presented in ISO 8840:1987, *Refractory materials—Determination of bulk density of granular materials (grain density)* and ASTM C 357-94(1993), *Test method for bulk density of granular refractory materials*.

METHOD

1 SCOPE

This Standard specifies two methods for the determination of the bulk density of granular refractory materials as follows:

- (a) The arrested water absorption technique, which is applicable to granular refractory materials that are unaffected by water.
- (b) The kerosene evacuation technique, which is applicable to all granular refractory materials.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
2165	Laboratory glassware—Burettes
2243	Safety in laboratories (series)
2780	Refractories and refractory materials—Glossary of terms
4433	Guide to the sampling of particulate materials
4433.1	Part 1: Sampling procedures

3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 2780 apply.

4 SAFETY

For information of safety in laboratories, reference should be made to the relevant parts of AS 2243.