

Australian Standard™

AS 1774.12

Refractories and refractory materials— Physical test methods

Method 12: Refractoriness under load— Temperatures of deformation at constant load with rising temperature

PREFACE

This Standard was prepared by the Standards Australia Committee MN-007, Refractories and Refractory Materials to supersede AS 1774.12—1983.

The objective of this revision is to bring the method into alignment with current practice and is based on but not equivalent to EN 993-8:1997, *Methods of test for dense shaped refractory products, Part 8: Determination of refractoriness-under-load*.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

METHOD

1 SCOPE

This Standard describes a procedure for determining the temperature(s) corresponding to specific deformations of a shaped refractory which is subjected to a constant compressive stress and an increasing temperature.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

- AS
2243 Safety in laboratories (series)
2780 Refractories and refractory materials — Glossary of terms

3 DEFINITIONS

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