

Advanced technical ceramics — Methods of test for ceramic powders —

Part 6: Determination of the specific surface area

The European Standard EN 725-6:1996 has the status of a
British Standard

ICS 81.060.10

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee RPI/13, Advanced technical ceramics, upon which the following bodies were represented:

- AEA Technology
- Aluminium Federation
- British Ceramic Research Ltd.
- British Industrial Ceramic Manufacturers' Association
- Department of Trade and Industry (National Physical Laboratory)
- Flat Glass Manufacturers' Association
- GAMBICA (BEAMA Ltd.)
- Institute of Refractories Engineers
- Ministry of Defence
- Refractories Association of Great Britain
- Society of British Aerospace Companies Ltd.
- University of Manchester

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National foreword

This British Standard has been prepared by Technical Committee RPI/13 and is the English language version of EN 725-6:1996 *Advanced technical ceramics — Methods of test for ceramic powders — Part 6: Determination of the specific surface area* published by the European Committee for Standardization (CEN).

EN 725-6:1996 was produced as a result of international discussions in which the UK took an active part.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 13 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

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English version

Advanced technical ceramics — Methods of test for ceramic powders — Part 6: Determination of the specific surface area

Céramiques techniques avancées — Méthodes
d'essai pour les poudres céramiques —
Partie 6: Détermination de la surface spécifique

Hochleistungskeramik — Prüfverfahren für
keramische Pulver —
Teil 6: Bestimmung der spezifischen Oberfläche

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Comité Européen de Normalisation
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Foreword

This European Standard was prepared by CEN/TC184, Advanced technical ceramics, the Secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard or by endorsement, at the latest by July 1996, and conflicting national standards shall be withdrawn at the latest by July 1996.

The method given is closely based on ISO 8008:1987 *Aluminium oxide primarily used for the production of aluminium — Determination of specific surface area by nitrogen absorption (single point method)*, published by the International Organization for Standardization (ISO).

EN 725 *Advanced technical ceramics — Methods of test for ceramic powders*, consists of eleven Parts:

- Part 1: *Determination of impurities in alumina*;
- Part 2: *Determination of impurities in barium titanate (ENV)*;
- Part 3: *Determination of oxygen content of non-oxides by thermal extraction*;
- Part 4: *Determination of oxygen content of non-oxides by XRF analysis (ENV)*;
- Part 5: *Determination of particle size distribution*;
- Part 6: *Determination of specific surface area*;
- Part 7: *Determination of absolute density*;
- Part 8: *Determination of tapped density*;
- Part 9: *Determination of untamped bulk density*;
- Part 10: *Determination of compaction properties*;
- Part 11: *Determination of the densification on natural sintering (ENV)*.

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