

Advanced technical ceramics — Methods of test for ceramic coatings —

Part 1: Determination of coating thickness by contact probe filometer

The European Standard EN 1071-1:2003 has the status of a
British Standard

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National foreword

This British Standard is the official English language version of EN 1071-1:2003. It supersedes DD ENV 1071-1:1993 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee RPI/13, Advanced technical ceramics, which has the responsibility to:

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Hochleistungskeramik - Verfahren zur Prüfung keramischer Schichten - Teil 1: Bestimmung der Schichtdicke mit einem Kontaktprofilometer

This European Standard was approved by CEN on 28 November 2002.

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Foreword

This document (EN 1071-1:2003) has been prepared by Technical Committee CEN/TC 184, "Advanced technical ceramics", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2003, and conflicting national standards shall be withdrawn at the latest by September 2003.

This document supersedes ENV 1071-1:1993.

EN 1071 '*Advanced technical ceramics – Methods of test for ceramic coatings*' consists of 10 parts:

Part 1: Determination of coating thickness by contact probe profilometer

Part 2: Determination of coating thickness by the crater grinding method

Part 3: Determination of adhesion and other mechanical failure modes by a scratch test

Part 4: Determination of chemical composition

Part 5: Determination of porosity

Part 6: Determination of the abrasion resistance of coatings by a micro-abrasion wear test

Part 7: Determination of hardness and Young's modulus by instrumented indentation testing

Part 8: Rockwell indentation test for evaluation of adhesion

Part 9: Determination of fracture strain

Part 10: Determination of coating thickness by cross sectioning

Annex A is informative.

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