## Paints and varnishes— Coating materials and coating systems for exterior masonry and concrete—

Part 7: Determination of crack bridging properties

The European Standard EN 1062-7:2004 has the status of a British Standard

ICS 87.040



#### National foreword

This British Standard is the official English language version of EN 1062-7:2004.

The UK participation in its preparation was entrusted to Technical Committee STI/28, Paint systems for non-metallic substrates, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

#### **Cross-references**

The British Standards which implement international or European publications referred to in this document may be found in the *BSI Catalogue* under the section entitled "International Standards Correspondence Index", or by using the "Search" facility of the *BSI Electronic Catalogue* or of British Standards Online.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

This British Standard, was published under the authority of the Standards Policy and Strategy Committee on 28 May 2004

#### Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 31 and a back cover.

The BSI copyright notice displayed in this document indicates when the document was last issued.

#### Amendments issued since publication

Amd. No. Date Comments

ISBN 0 580 43821 X

© BSI 28 May 2004

## EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 1062-7

May 2004

ICS 87.040

#### English version

# Paints and varnishes - Coating materials and coating systems for exterior masonry and concrete - Part 7: Determination of crack bridging properties

Peintures et vernis - Produits de peinture et systèmes de revêtement pour maçonnerie et béton extérieurs - Partie 7 : Détermination de la résistance à la fissuration

Beschichtungsstoffe - Beschichtungsstoffe und Beschichtungssysteme für mineralische Substrate und Beton im Außenbereich - Teil 7: Bestimmung der rissüberbrückenden Eigenschaften

This European Standard was approved by CEN on 24 March 2004.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

© 2004 CEN

All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 1062-7:2004: E

This is a preview. Click here to purchase the full publication.

### **Contents**

Forewo	ord	4
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	7
5	Apparatus	7
6	Sampling	
7	Test pieces	
, 7.1	Substrate	
7.2	Number and dimensions	
7.3	Coating and conditioning of the substrates	
7.4	Cracking of the test pieces	
8	Procedure	8
8.1	Preparation of the test apparatus	8
8.2	Test temperature	
8.3	Measurement of the crack-bridging properties of the coating	9
8.3.1	Preparation	
8.3.2	Method A: Continuous opening of the crack	
8.3.3	Method B: Cyclic opening of the crack	9
9	Expression of results	9
9.1	Method A: Continuous opening of the crack	
9.2	Method B: Periodical change of the crack width	
10	Precision	9
11	Test report	9
Annex	A (normative) Crack-bridging properties — Classification and test conditions for method A	. 11
	B (normative) Crack-bridging properties —Classification and test conditions for method B	
	C (informative) Examples of suitable test procedures	
C.1	Static tensile test	
C.1.1	Principle	
C.1.2	Test pieces	
C.1.3	Procedure	
C.2	Static bending test	. 18
C.2.1	Principle	. 18
C.2.2	Test pieces	. 18
C.2.3	Procedure	
C.3	Dynamic tensile test 1	_
C.3.1	Principle	
C.3.2	Test pieces	
C.3.3	Procedure	
C.4	Dynamic tensile test 2	
C.4.1	Principle	
C.4.2	Test pieces	
C.4.3 C.5	Procedure	
C.5 C.5.1	Principle	
U.J. I	FIIICIPIE	. 25