

Methods of test for screed materials

Part 3: Determination of wear resistance-Böhme

The European Standard EN 13892-3:2004 has the status of a
British Standard

ICS 91.100.10

National foreword

This British Standard is the official English language version of EN 13892-3:2004.

The UK participation in its preparation was entrusted by Technical Committee B/507, Paving units, curbs, screeds and in-situ floorings, to Subcommittee B/507/6, Screeds and in-situ floorings, 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 subcommittee can be obtained on request to its secretary.

This specification describes the Böhme method for determining the wear resistance of screed materials.

BS EN 13813 stipulates that the wear resistance of screed materials should be determined using one of three methods as follows:

- a) the Böhme method described in this standard;
- b) the BCA method described in BS EN 13892-4;
- c) the Rolling Wheel method described in BS EN 13892-5.

At present there is no test data available to demonstrate any correlation between results obtained with the three different methods.

There is limited practical experience in the UK of the Böhme or Rolling Wheel methods. The BCA method has been used in the UK for many years and is specified in BS 8204-2 for determining the wear resistance of concrete wearing surfaces.

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.

Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 11 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

This British Standard, was published under the authority of the Standards Policy and Strategy Committee on 10 June 2004

© BSI 10 June 2004

ISBN 0 580 43896 1

English version

Methods of test for screed materials - Part 3: Determination of wear resistance-Böhme

Méthodes d'essai des matériaux pour chapes - Partie 3:
Détermination de la résistance à l'usure Böhme

Prüfverfahren für Estrichmörtel und Estrichmassen - Teil 3:
Bestimmung des Verschleißwiderstandes nach Böhme

This European Standard was approved by CEN on 2 February 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

Contents

	page
Foreword	3
1 Scope	4
2 Normative references	4
3 Principle	4
4 Symbols and abbreviations	4
5 Apparatus	5
6 Abrasive material	5
7 Preparation of specimens	6
8 Testing	6
8.1 General	6
8.2 Determination of density	7
8.3 Procedure	7
9 Expression of results	7
10 Test report	7
Bibliography	11

Foreword

This document (EN 13892-3:2004) has been prepared by Technical Committee CEN/TC 303 "Floor screeds and in-situ floorings in buildings", the secretariat of which is held by DIN.

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 November 2004, and conflicting national standards shall be withdrawn at the latest by November 2004.

It was prepared by Working Group 2 "Screed materials and floor screeds - Test-methods" taking into account the proposals submitted by Working Group 1 "Screed materials and floor screeds - Definitions, properties and requirements".

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: 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.