

Metallic and other non-organic coatings — Measurement of coating thicknesses — Fizeau multiple-beam interferometry method

The European Standard EN ISO 3868:1994 has the status of a
British Standard

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW



Document Sharing Hub

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee STI/39, Methods of test for metallic and related coatings, upon which the following bodies were represented:

- Aluminium Federation
- Aluminium Finishing Association
- British Industrial Fasteners' Federation
- British Jewellers' Association
- Institute of Corrosion
- Institute of Metal Finishing
- Metal Finishing Association
- Ministry of Defence
- NDT Trade Association
- Royal Society of Chemistry
- Society of Motor Manufacturers and Traders Limited

This British Standard, having been prepared under the direction of the Sector Board for Materials and Chemicals, was published under the authority of the Standards Board and comes into effect on 15 May 1995

© BSI 11-1999

The following BSI references relate to the work on this standard:
Committee reference STI/39
Draft for comment 76/50825 DC

ISBN 0 580 23975 6

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword	2
1 Scope and field of application	3
2 Principle	3
3 Definitions	3
4 Equipment	4
5 Factors affecting the measuring accuracy	4
6 Calibration	6
7 Procedure	6
8 Measuring precision	8
Figure 1	4
Figure 2	5
Figure 3	6
Figure 4	7
Figure 5	7
List of references	Inside back cover

National foreword

This British Standard has been prepared by Technical Committee STI/39, and is the English language version of EN ISO 3868:1994 *Metallic and other non-organic coatings — Measurement of coating thicknesses — Fizeau multiple-beam interferometry method* published by the European Committee for Standardization (CEN).

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their 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, pages i and ii, the EN ISO title page, pages 2 to 8, an inside back cover 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.

English version

**Metallic and other non-organic coatings —
Measurement of coating thicknesses — Fizeau
multiple-beam interferometry method**

(ISO 3868:1976)

Revêtements métalliques et autres
revêtements non organiques — Mesurage de
l'épaisseur — Méthode basée sur le
principe de Fizeau d'interférométrie à
faisceaux multiples
(ISO 3868:1976)

Metallische und andere anorganische
Schichten — Messung von Schichtdicken —
Fizeau-Vielstrahl-interferenz-Verfahren
(ISO 3868:1976)

This European Standard was approved by CEN on 1994-10-26. 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels