

Thermal spraying — Coatings for protection against corrosion and oxidation at elevated temperatures

ICS 25.220.20

National foreword

This British Standard is the UK implementation of EN ISO 17834:2003. It is identical to ISO 17834:2003. It supersedes BS 2569-2:1965, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee STI/40, Thermal spraying and thermally sprayed coatings.

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

The 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 cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 12 December 2003

© The British Standards Institution 2013.
Published by BSI Standards Limited 2013

ISBN 978 0 580 83749 4

Amendments/corrigenda issued since publication

Date	Comments
31 July 2013	Supersession information in national foreword updated

English version

Thermal spraying - Coatings for protection against corrosion and oxidation at elevated temperatures (ISO 17834:2003)

Projection thermique - Revêtements de protection contre la corrosion et l'oxydation à haute température (ISO 17834:2003)

Thermisches Spritzen - Beschichtungen zum Schutz gegen Korrosion und Oxidation bei erhöhten Temperaturen (ISO 17834: 2003)

This European Standard was approved by CEN on 7 August 2003.

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 Management Centre 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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

Foreword.....3

1 Scope 3

2 Normative references 3

3 Coating material and processes.....4

4 Application of coating 5

5 Required characteristics 6

5.1 Coating thickness 6

5.2 Service temperature, environment and subsequent treatment 6

6 Re-treatment of defective areas 6

Annex A (informative) Design recommendations for objects to be metal sprayed.....7

Annex B (normative) Coating materials 8