

Fusion bonded epoxy coated carbon steel bars for the reinforcement of concrete —

Part 1: Specification for coated bars

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Iron and Steel Standards Policy Committee (ISM/-) to Technical Committee ISM/9, upon which the following bodies were represented:

- British Cement Association
- British Independent Steel Producers' Association
- British Precast Concrete Federation Ltd.
- British Reinforcement Manufacturers' Association
- British Steel Industry
- British Steel Industry (Wire Section)
- Concrete Society
- County Surveyors Society
- Department of the Environment (Property Services Agency)
- Department of Transport
- Electricity Supply Industry in England and Wales
- Fabric Reinforcement Development Association
- Federation of Civil Engineering Contractors
- High Yield Bar Development Association
- Institution of Structural Engineers
- UK Certification Authority Reinforcing Steels

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- Department of the Environment (Building Research Establishment)
- Institution of Civil Engineers

This British Standard, having been prepared under the direction of the Iron and Steel Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 30 September 1990

© BSI 03-1999

The following BSI references relate to the work on this standard:
Committee reference ISM/9
Draft for comment 88/44568 DC

ISBN 0 580 18315 7

Amendments issued since publication

Amd. No.	Date	Comments
6955	February 1992	Indicated by a sideline in the margin

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 Materials	1
4 Requirements for coated bars	1
5 Bond classification of coated bars	2
6 Routine testing	2
7 Manufacturer's certificate	2
8 Retests	2
9 Coating damage and repair	2
Appendix A Tests on coated bars	3
Appendix B Frequency of testing	3
Appendix C Routine testing and certification	4
Appendix D Recommendations for the manufacturing process	4
Appendix E Guidelines for site practice	4
Appendix F Information to be supplied by the purchaser	5
Appendix G Holiday detector test apparatus	5
Table 1 — Inside radius of the bend	3
Table 2 — Test frequency for coating thickness and coating adhesion	3
Table 3 — Frequency of coating adhesion testing for material not covered by a certification scheme	4
Publications referred to	Inside back cover

Foreword

This Part of BS 7295 has been prepared under the direction of the Iron and Steel Standards Policy Committee.

This Part specifies requirements for the performance of fusion bonded epoxy coated carbon steel bars and also provides recommendations for the manufacture of the coated bar. Test methods for verifying the performance requirements are given in Appendix A. Appendix E gives guidelines for the handling of coated bars on site and will be deleted when the information is incorporated into BS 8110 and BS 4466. Information to be supplied by the purchaser is given in Appendix F.

BS 7295-2 specifies requirements for the coatings to be used for coated bars.

Product testing and certification. Attention is drawn to the provision in this Part of BS 7295 of a facility for third party certification of product conformity with this Part of BS 7295 based on testing and continuous product surveillance coupled with assessment of a supplier's quality systems against BS 5750-2:1987.

Enquiries as to the availability of third party certification schemes and of competent test laboratories will be forwarded by BSI to the Association of Certification Bodies. If a third party certification scheme does not already exist, users should consider approaching an appropriate body from the list of association members.

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, pages 1 to 6, 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.