

Specification for

**Zinc-rich priming paint
(organic media)**

ICS 87.040

Confirmed October 2008

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee STI/27, Paint systems for metallic substrates, upon which the following bodies were represented:

- Aluminium Window Association
- British Coatings Federation Ltd.
- British Railways Board
- British Steel Industry
- British Telecommunications plc
- Department of the Environment (Building Research Establishment)
- European Resin Manufacturers' Association
- Galvanizers' Association
- Institute of Corrosion
- METCOM
- National Federation of Painting and Decorating Contractors
- Oil and Colour Chemists' Association
- Paint Research Association
- Society of Chemical Industry
- Steel Window Association
- Union of Construction, Allied Trades and Technicians
- Zinc Development Association

The following body was also represented in the drafting of the standard, through a subcommittee:

- Zinc Pigment Development Association

This British Standard, having been prepared under the direction of the Materials and Chemicals Sector Board (I/-), was published under the authority of the Standards Board and comes into effect on 15 April 1995

© BSI 1998

First published July 1971
Second edition April 1995

The following BSI references relate to the work on this standard:
Committee reference STI/27
Draft for comment 93/508127 DC

ISBN 0 580 23846 6

Amendments issued since publication

Amd. No.	Date	Text affected
10074	July 1998	Indicated by a line in the margin

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
Specification	
1 Scope	1
2 Normative references	1
3 Sampling	1
4 Containers and labelling	1
5 Requirements for the components of the paint	1
6 Composition	1
7 Performance requirements of the paint after mixing	1
Annexes	
A (normative) Determination of metallic zinc content	3
B (normative) Preparation of test panels	4
C (normative) Resistance to continuous salt spray	5
D (informative) Advice on handling and use of paint	5
Table	
B.1 Blast-cleaned steel with shot abrasives and grit abrasives	4
List of references	Inside back cover

Foreword

This British Standard has been prepared under the direction of the Materials and Chemicals Sector Board. It supersedes BS 4652 : 1971, which is withdrawn.

The first edition of BS 4652, and later published amendments, specified three types of zinc dust-containing coatings intended for use as anticorrosive primers for the protection of abrasive blast-cleaned steel surfaces.

Experience in the use of these materials, improvements in the preparation of steel surfaces, and formulation developments of zinc dust-based primers, have indicated that simplification of the existing standard can be made by a reduction in the number of types specified.

The method for determination of metallic zinc content (see annex A) is based upon a method used by Harcros Chemicals.

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.