

Specification for

Sprayed and fused metal coatings for engineering purposes

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The Surface Coatings (other than Paints) Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

- Aluminium Federation*

Assay Offices Committee of Great Britain

Association of Metal Sprayers*

British Bolt, Nut, Screw and Rivet Federation

British Jewellers' Association

British Metal Finishing Suppliers' Association

British Non-ferrous Metals Research Association*

British Steel Industry*

Chemical Industries Association

Cycle and Motor Cycle Association Limited

Electricity Council, the Central Electricity Generating Board and Area Boards in England and Wales*
- Electronic Engineering Association*

Engineering Equipment Users Association

Greater London Council

Institute of Metal Finishing*

Institute of Sheet Metal Engineers

Institute of Vitreous Enamellers

Metal Finishing Association

Ministry of Defence, Army Department*

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Ministry of Defence, Procurement Executive*

Society of Motor Manufacturers and Traders Limited*

Tin Research Institute

Vitreous Enamel Development Council

Zinc Development Association*

The Government departments and scientific and industrial organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- British Constructional Steelwork Association

British Railways Board

Department of Trade and Industry, National Engineering Laboratory

Institution of Civil Engineers

Institution of Mechanical Engineers

Institution of Structural Engineers

Lloyds Register of Shipping
- London Transport Executive

Shipbuilders' and Repairers' National Federation

Society of British Aerospace Companies

Telecommunication Engineering and Manufacturing Association Limited

Welding Institute

Individual firms

The British Standard, having been approved by the Surface Coatings (other than Paints) Industry Standards Committee, was published under the authority of the Executive Board on 25 July 1973

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Contents

	Page
Co-operating organizations	Inside front cover
Foreword	ii
1 Scope	1
2 Design considerations	1
3 Information to be supplied to the metal sprayer	1
4 Coating metals	1
5 Preparation of components	2
6 Spraying	3
7 Fusing the sprayed deposit	3
8 Cooling	3
9 Finishing	4
10 Final inspection	4
Appendix A Method of preparation of a reference surface for comparison	5
Figure 1 — Recommended preparation for a sprayed and fused deposit near the centre of a shaft	5
Figure 2 — Recommended preparation of a shaft where there is a large increase in diameter adjacent to the sprayed and fused area	6
Publications referred to	Inside back cover

Foreword

This British Standard, prepared under the authority of the Surface Coatings (other than Paints) Industry Standards Committee, relates to the application of sprayed and fused coatings of metal alloys and metallic compounds for engineering applications where such properties as wear-resistance, low coefficient of friction and corrosion-resistance are important, and also for the reclamation of worn or over-machined components. This standard differs from BS 4761, "*Sprayed unfused metal coatings for engineering purposes*" in that, as the coating is fused to the base, it is not subject to the same restrictions regarding point loading and adhesion.

The other standards in this series are:

BS 2569, "*Sprayed metal coatings*": Part 1, "*Protection of iron and steel by aluminium and zinc against atmospheric corrosion*"; Part 2, "*Protection of iron and steel against corrosion and oxidation at elevated temperatures*".

BS 4495, "*Recommendations for the flame spraying of ceramic and cermet coatings*".

NOTE This standard is expressed in metric terms. For further information reference should be made to BS 3763, "*The International System of units (SI)*" and to PD 5686, "*The use of SI units*".

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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.