

Specification for

# X-Ray lead-rubber protective aprons —

For personal use

# Co-operating organizations

The Electrical Industry Standards Committee under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

|                                                                                    |                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Associated Offices' Technical Committee                                            | Electronic Engineering Association                                  |
| Association of Consulting Engineers                                                | Engineering Equipment Users' Association                            |
| Association of Mining Electrical and Mechanical Engineers                          | Independent Cable Makers' Association                               |
| Association of Supervising Electrical Engineers                                    | Institution of Electrical Engineers                                 |
| British Electrical and Allied Manufacturers' Association*                          | Ministry of Aviation                                                |
| British Electrical Development Association                                         | Ministry of Defence, Army Department*                               |
| British Railways Board                                                             | Ministry of Defence, Navy Department*                               |
| Cable Makers' Association                                                          | Ministry of Labour (H.M. Factory Inspectorate)                      |
| Crown Agents for Oversea Governments and Administrations                           | Ministry of Power                                                   |
| Electric Lamp Industry Council                                                     | Ministry of Public Building and Works                               |
| Electric Light Fittings Association                                                | Municipal Passenger Transport Association (Incorporated)            |
| Electrical Contractors' Association (Incorporated)                                 | National Inspection Council for Electrical Installation Contractors |
| Electrical Contractors' Association of Scotland                                    | National Physical Laboratory (D.S.I.R.)*                            |
| Electrical Research Association                                                    | Oil Companies Materials Association                                 |
| Electricity Council, The Generating Board and the Area Boards in England and Wales | Post Office                                                         |
|                                                                                    | Public Transport Association (Incorporated)                         |
|                                                                                    | South of Scotland Electricity Board                                 |

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 standard:

|                                                       |                                                     |
|-------------------------------------------------------|-----------------------------------------------------|
| British Institute of Radiology                        | Institute of Physics and the Physical Society       |
| British Mechanical Rubber Manufacturers Association   | Medical Research Council                            |
| British Plastics Federation                           | Ministry of Defence, Air Force Department           |
| Electro-medical Trade Association Limited             | Ministry of Health                                  |
| Faculty of Radiologists                               | Radiological Protection Service                     |
| Federation of British Rubber and Allied Manufacturers | Rubber Surgical Equipment Manufacturers Association |
| Hospital Physicists Association                       | Manufacturers of X-ray protective aprons            |

This British Standard, having been approved by the Electrical Industry Standards Committee and endorsed by the Chairman of the Engineering Divisional Council, was published under the authority of the General Council on 1 September 1964

© BSI 12-1999

The following BSI references relate to the work on this standard:  
Committee references ELE/55, ELE/55/9, ELE/55/9/1  
Draft for comment D62/5716

ISBN 0 580 34088 0

## Amendments issued since publication

| Amd. No. | Date | Comments |
|----------|------|----------|
|          |      |          |
|          |      |          |
|          |      |          |
|          |      |          |
|          |      |          |

# Contents

|                                                          | Page               |
|----------------------------------------------------------|--------------------|
| Co-operating organizations                               | Inside front cover |
| Foreword                                                 | ii                 |
| 1 Scope                                                  | 1                  |
| 2 Types of aprons                                        | 1                  |
| 3 Protection                                             | 1                  |
| 4 Material                                               | 1                  |
| 5 Construction                                           | 1                  |
| 6 Freedom from defects                                   | 1                  |
| 7 Dimensions                                             | 1                  |
| 8 Type tests                                             | 2                  |
| 9 Mechanical tests                                       | 2                  |
| 10 Tests for degree of protection of the material        | 3                  |
| 11 Tests for protection of completed aprons              | 3                  |
| 12 Tests for degree of protection of a completed apron   | 3                  |
| 13 Marking                                               | 4                  |
| Appendix A Storage of rubber aprons                      | Inside back cover  |
| Figure 1 — General dimensions of X-ray protective aprons | 2                  |
| Table 1 — Dimensions                                     | 2                  |
| Table 2 — Mechanical properties                          | 3                  |