

Specification for

Temporary protectives for the protection of metal surfaces against corrosion during transport and storage

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Packaging and Freight Containers Standards Policy Committee (PKM/-) to Technical Committee PKM/25, upon which the following bodies were represented:

- BCIRA
- British Lubricants Federation Limited
- British Non-ferrous Metals Federation
- British Rubber Manufacturers' Association Ltd.
- Chemical Industries' Association
- Engineering Equipment and Materials Users' Association
- Institute of Marine Engineers
- Institute of Packaging
- Institute of Petroleum
- Institution of Mechanical Engineers
- Ministry of Defence
- Oil and Colour Chemists' Association
- Timber Packaging and Pallet Confederation

This British Standard, having been prepared under the direction of the Packaging and Freight Containers Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 28 February 1992

© BSI 07-1999

The following BSI references relate to the work on this standard:
Committee reference PKM/25
Draft for comment 90/47892 DC

ISBN 0 580 20424 3

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	iii
1 Scope	1
2 Definition	1
3 Removability	1
4 Freedom from impurities	1
5 Shelf life	1
6 Other properties	1
7 Temporary protective TP 9	1
Appendix A Description of temporary protectives	6
Appendix B Method of test for freedom from corrosive properties	7
Appendix C Stability test	8
Appendix D Method of test for sag of product film at 80 °C	8
Appendix E Method of test for loss of film mass, through drainage, when heated	9
Appendix F Method of test for emulsifying properties	9
Appendix G Method of test for the determination of volatile matter	9
Appendix H Method of test for homogeneity of TP 7 protective	9
Appendix J Method of test for film-forming characteristics of TP 7 protective	9
Appendix K Method of test for the tensile strength of a stripped TP 7 protective film	10
Appendix L Method of test for loss of liquid and volatile constituents from stripped TP 7 protective film	10
Appendix M Method of test for compressibility of TP 7 protective	10
Appendix N Method of test for flexibility of stripped protective film	11
Appendix P Method of test for protection against corrosion of TP 7 protective	11
Appendix Q Method of test for fire point of TP 7 protective	12
Appendix R Preparation of TP 8 protective film	12
Appendix S Method of test for protection against corrosion	12
Appendix T Method of test for emulsion stability and frothing tendency of TP 11 protectives	12
Figure 1 — Bolted test panel couple	7
Figure 2 — Dimensions of die for cutting out test pieces	11
Table 1 — Requirements for solvent deposited temporary protectives TP 1 and TP 2	2
Table 2 — Requirements for grease, wax or grease-like semi-fluid temporary protectives TP 3, TP 4 and TP 5	3
Table 3 — Requirements for oily-film temporary protectives TP 6 and TP 9	4
Table 4 — Requirements for manually strippable TP 7 temporary protective film	4
Table 5 — Requirements for manually strippable TP 8 temporary protective film	5
Table 6 — Requirements for emulsifiable TP 11 temporary protective	5
Table 7 — Test temperatures and times for freedom from corrosive properties test	8
Table 8 — Temperature cycle for stability test	8

	Page
Table 9 — Test temperatures for loss of mass through drainage test	9
Publication(s) referred to	Inside back cover

Foreword

This British Standard was prepared under the direction of the Packaging and Freight Containers Standards Policy Committee. It is a revision of section E of the 1966 version of BS 1133-6; it is being published as a separate British Standard as it is a specification for temporary protectives and not a code of practice. The requirements and methods of test for temporary protectives have been brought up to date. Information regarding the cleaning and drying of metal surfaces and the selection, application and removal of temporary protectives is given in BS 1133-6.1 and BS 1133-6.2 respectively.

Requirements for various types of temporary protective are based on specific test methods and are minimum requirements. Users of temporary protectives should consult with suppliers and where necessary carry out appropriate tests to ensure suitability for particular applications. In the case of TP 10 contact inhibitor corrosion preventives no suitable methods of test have been established upon which requirements for their performance can be based. This British Standard therefore does not include requirements for TP 10 protectives but it is recommended that prospective users of TP 10 protectives conduct appropriate practical tests to assess the efficacy of products under the actual conditions of usage.

Users of this standard involved with Ministry of Defence contracts should seek advice from the appropriate Research and Development Establishment or the Directorate of Quality Assurance/Technical Support (DQA/TS), Materials Centre, Royal Arsenal East, Woolwich, London, SE 18 6TD.

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 to iv, pages 1 to 12, 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.

