

CONFIRMED
MAY 1998

Specification for

Pressure — sensitive adhesive identification tape

Confirmed
January 2009

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Aerospace Standards Policy Committee (ACE/-) to Technical Committee ACE/40, upon which the following bodies were represented:

- Adhesive Tape Manufacturers' Association
- British Aerospace plc
- Ministry of Defence

This British Standard, having been prepared under the direction of the Aerospace Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 28 February 1991

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The following BSI references relate to the work on this standard:
Committee reference ACE/40
Draft for comment 89/70679 DC

ISBN 0 580 18436 6

Amendments issued since publication

Amd. No.	Date of issue	Comments

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Foreword

This British Standard, prepared under the direction of the Aerospace Standards Policy Committee, is one of a series for pressure-sensitive adhesive tapes of a quality suitable for aerospace purposes and is a revision of BS 2J 12, which is withdrawn. This revision includes guidance on information to be supplied by the purchaser, and deletes reference to a toluene bath for the cleaning of samples. Alternative cleaning methods are specified.

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 8, 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.

1 Scope

This British Standard specifies requirements for pressure-sensitive adhesive identification tape for aerospace purposes, such as the identification marking of aircraft parts.

NOTE 1 The tape, which may be coloured or printed with a legend, is suitable for application to pipelines, and is resistant to moisture. It is not suitable for use in situations where the temperature exceeds 70 °C and its use where it may be exposed to severe climatic conditions for other than brief periods is not recommended.

NOTE 2 The tape is not resistant to certain aircraft fluids, but it may be possible to protect it from such fluids by coating with a suitable lacquer.

NOTE 3 The information to be supplied by the purchaser in the contract or order is listed in Appendix A.

NOTE 4 The titles of the publications referred to in this standard are listed on the inside back cover.

NOTE 5 The latest revision of an Aerospace Series standard is indicated by a prefix number.

2 Construction

2.1 The tape shall consist of a water-resistant film base material, such as unplasticized polyvinyl chloride, polypropylene or polyethylene terephthalate film, of maximum thickness 0.065 mm, uniformly coated on one side with a pressure-sensitive adhesive.

2.2 The tape shall be supplied in roll form, with the adhesive side innermost, on a suitable core of the same width as the tape.

2.3 The tape shall be opaque.

NOTE Colouring may be achieved by the incorporation of pigments in the adhesive, by the use of a pigmented film or dyed film base, or by a combination of these methods.

2.4 If a legend is required it shall be clearly and uniformly printed in fast colours.

NOTE The purchaser should state in the contract or order the legend required and whether or not the legend is required (see Appendix A).

3 Dimensions

The tolerances on the width of the finished tape shall be one of the following:

- a) ± 1.0 mm for tapes up to and including 19 mm;
- b) ± 1.5 mm for tapes over 19 mm.

NOTE The length and width of the finished tape should be stated by the purchaser in the contract or order (see Appendix A). The finished tape is usually supplied in lengths of 33 m and in one of the following widths:

- a) 12 mm;
- b) 15 mm;
- c) 19 mm;
- d) 22 mm;
- e) 25 mm;
- f) 38 mm;
- g) 50 mm.

4 Colour

The base colour of the tape shall be one of the following colours given in BS 6746C:

- a) blue;
- b) brown;
- c) green;
- d) orange;
- e) red;
- f) yellow;
- g) grey.

NOTE The colour should be stated by the purchaser in the contract or order (see Appendix A).

5 Freedom from defects

5.1 When the tape is unrolled there shall be no tearing of the base material.

5.2 Each roll shall be reasonably free from telescoping, gapping or other forms of distortion. When unrolled the tape shall show negligible transference of the adhesive to the backing of the underlying turn.

NOTE Care should be taken not to unwind tapes rapidly at temperatures below 10 °C.

6 Samples for testing

6.1 The test samples shall be conditioned in accordance with Appendix B.

6.2 A batch of tape shall consist of a number of rolls designated as a batch by the manufacturer and substantially uniform in quality.

6.3 From each batch at least one roll shall be examined for compliance with clauses 2 to 5 inclusive and tested for compliance with clauses 7 to 13 inclusive.

7 Breaking strength

When determined in accordance with Appendix C, the breaking strength of the tape shall be not less than 18 N per 10 mm width.

8 Adhesive strength to steel

When determined in accordance with Appendix D, the adhesive strength of the tape shall be not less than 1.8 N per 10 mm width. The tape shall separate from the plate without visible off-setting of the adhesive.