

# Technical Information and Data

## A List of some of the British Standards applicable to Paper and Board

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In 2003, BSI kindly carried out a full review of the standards printed in previous PITA Year Books and provided a comprehensive update covering many areas connected in some way with paper. The information provided at that time and repeated this year, was well beyond the space limitations of this publication and the Standards shown here are those specifically and directly related to paper production. Other areas covered were related to pulp purchase, core testing, packaging production and testing to mention only a few. Many British Standards now also have EN or ISO labelling and duplicate the standards shown here. Please view the BSI website for current information and up to date details on [www.bsi-global.com/bsonline](http://www.bsi-global.com/bsonline)

Alternatively, copies of Standards may be obtained from British Standards Institution, 389 Chiswick High Road, Chiswick, London W4 4AL. Tel: 020 8996 7111. Fax: 020 8996 7048.

Where an identical international standard exists, this is shown in the top right hand corner of the record. The symbol = represents items which are identically equivalent. International standards which are either technically equivalent or which contain technical references are not highlighted in this text. Please view the BSI website for more details. [www.bsi-global.com/bsonline](http://www.bsi-global.com/bsonline)

**BS 1000[676]:1984**  
**Universal Decimal Classification. English full edition. Paper industry.**  
44 pages £40.00 (M), £44.00(NM). IDT/3

**BS 1439:1992**  
**Specification for single-ply wet-creped paper towelling**  
Minimum size and performance requirements for towelling designed primarily for the non-domestic market.  
12 pages £14.00(M), £28.00(NM). PAI/10

**BS 1467:1972** = ISO 623  
**Specification for folders and files**  
Definitions and sizes. Includes lever arch files, box files, transfer storage cases. Suspended filing pockets from BS 4438. Spacing and diameter of punched holes for filing.  
12 pages £14.00(M), £28.00(NM). FW/3

**BS 1521:1972**  
**Specification for waterproof building papers**  
Quality, workmanship, dimensions, performance. Class A for prevention of draughts or ingress of water into wall or pitched roof structures, Class B for temporary purposes such as protection of concrete during curing.  
16 pages £13.00(M), £26.00(NM). B/546/5

**BS 1808:1985**  
**Specification for cut business forms and letterheads**  
Specifies the sizes of paper for cut business forms and letterheads up to and including ISO A4 size produced by flat sheet printing or rotary printing. The location of the addressee panel and fold mark on such forms and letterheads intended for mailing in a DL window envelope is also specified.  
8 pages £11.00(M), £22.00(NM). PAI/24

**BS 1896:1972**  
**Specification for sizes of repographic papers**  
Specifies types of sensitized paper, sizes of sheets and squareness, widths and lengths of paper in rolls, tolerances, and marking of packages.  
8 pages £10.00(M), £20.00(NM). CPW/42

**BS 2922-1:1985** = ISO 3689:1983  
**Strength of wet paper and board. Method for determination of the bursting strength of paper and board after immersion in water**  
Specifies a method for determining the wet bursting strength of paper and board.  
6 pages £11.00(M), £22.00(NM). PAI/11

**BS 2922-2:1984** = ISO 3781:1983  
**Strength of wet paper and board. Method for determination of the tensile strength of paper and board after immersion in water**  
Specifies three methods for determining the wet tensile strength of paper and board.  
10 pages £11.00(M), £22.00(NM). PAI/11

**BS 2924-1:1983** = ISO 6588:1981  
**Aqueous extracts of paper, board and pulp. Method for determination of pH**  
Provides methods of preparing cold or hot extracts for determination of pH.  
8 pages £11.00(M), £22.00(NM). PAI/11

**BS 2924-2:1992** = ISO 6587:1992  
**Aqueous extracts of paper, board and pulp. Determination of conductivity**  
Specifies a method for the determination of the conductivity of aqueous extracts of paper, board and pulp using extracts prepared by a hot or cold method.  
8 pages £11.00(M), £22.00(NM). PAI/11

**BS 2987:1958**  
**Notes on the application of statistics to paper testing**  
Outlines elementary statistical concepts (i.e. mean, standard deviation, coefficient of variation, etc.); gives examples of calculations, and recommends computing procedure. Also includes a list of elementary formulae necessary for such calculations, a glossary of statistical terms and symbols, and a bibliography of general application.  
36 pages £34.00(M), £68.00(NM). PAI/11

**BS 3047:1988**  
**Specification for sizes of posters**  
Specifies a range of sizes of posters for general display purposes. Also lists special sizes of posters such as those used by railways and bus companies and also common overseas sizes.  
8 pages £11.00(M), £22.00(NM). PAI/23

**BS 3177:1959**  
**Method for determining the permeability to water vapour of flexible sheet materials used for packaging**  
Describes a method designed primarily for use with flexible packaging materials such as paper, plastics films and flexible laminates, but suitable also for certain other materials such as rubber sheeting  
22 pages £25.00(M), £40.00(NM). PAI/11

**BS 3137:1972** = ISO 2758 ISO 2759 ISO 3689  
**Methods for determining the bursting strength of paper and board**  
Describes the hydraulic methods for determining the bursting strength of paper in the range from 70 kN/m<sup>2</sup> to 1100 kN/m<sup>2</sup> and for board within the range 350 kN/m<sup>2</sup> to 5500 kN/m<sup>2</sup>. The pneumatic method, sometimes needed for pulp handsheets and weak papers, is described in an appendix.  
28 pages £34.00(M), £68.00(NM). PAI/11

**BS 3203:1979** = ISO 4046:1978  
**Glossary of paper, board, pulp and related terms**  
English text of terms and definitions accepted by ISO relating to paper, board, pulp, their properties and processes.  
28 pages £34.00(M), £68.00(NM). PAI/12

**BS 3748:1992** = ISO 2493:1992  
**Method for determination of resistance to bending of paper and board**  
Specifies a method, based on the beam principle.  
8 pages £11.00(M), £22.00(NM). PAI/11

**BS 4264:1987** = ISO 269  
**Specification for envelopes for commercial, official and professional use**  
Sizes and styles. Advice on storage is given in an appendix. Excludes envelopes for use with insertion machines and for the storage of X-ray films.  
12 pages £14.00(M), £28.00(NM). PAI/33

**BS 4415-1:1992** = ISO 1924-1:1992  
**Determination of the tensile properties of paper and board. Constant rate of loading method**  
Specifies a method of measuring strength using an instrument operating at a constant rate of application of tensile force. It also gives methods for calculating the breaking length and tensile index.  
12 pages £14.00(M), £28.00(NM). PAI/11

**BS 4420:1990** = ISO 8791-2:1990  
**Method for determination of the Bendtsen roughness of paper and board**  
16 pages £19.00(M), £38.00(NM). PAI/11

**BS 4497:1969**  
**Recommendations for the detection and estimation of nitrogenous treating agents in paper**  
Describes the problems involved and gives qualitative and quantitative methods for use with certain agents used in paper treatment; applies only to substances that have a strong affinity for acid dyes.  
20 pages £26.00(M), £52.00(NM). PAI/11

**BS 4574:1970**  
**Recommendation for the determination of the ink absorbency of paper and board by use of K & N ink**  
Applies to paper and board to be printed by the lithographic, gravure or letterpress process.  
10 pages £11.00(M), £22.00(NM). PAI/11

**BS 4623:1989** = ISO 2784  
**Specification for folded continuous stationery for impact printers**  
Sprocket-holed stationery for use with impact printers associated with ADP machines.  
12 pages £14.00(M), £28.00(NM). PAI/24

**BS 4816:1972** = ISO 3036  
**Method for the determination of the puncture resistance of board**  
Specifies apparatus and procedure for determining puncture resistance of all types of heavy boards, including corrugated fibreboard, and especially those used in the manufacture of packing cases.  
14 pages £11.00(M), £22.00(NM). PAI/11

**BS 4817:1972** = ISO 3034  
**Method for the determination of the thickness of corrugated fibreboard**  
Specifies apparatus and procedures for measuring the thickness of corrugated fibreboard intended for use in manufacturing packaging cases, or used in packing cases. Is applicable to all types of corrugated fibreboard.  
10 pages £11.00(M), £22.00(NM). PAI/11

**BS 4818:1993**  
**Method for determination of the creasing quality of carton board (Pira method)**  
Provides a numerical assessment of the creasing qualities of board materials that normally would be converted into cartons on cutting and creasing presses.  
12 pages £14.00(M), £28.00(NM). PAI/11

**BS 5477:1977** = ISO/R 1831  
**Method for visual assessment, by grid assay, of dirt in paper for character recognition**  
Measures the proportion of the surface area containing particles that are immediately obvious to the eye. Reports the number of grid squares per 6 m<sup>2</sup> containing dirt.  
2 pages £11.00(M), £22.00(NM). IST/12

**BS 5626-1:1979** = IEC 60554-1:1977  
**Cellulosic papers for electrical purposes. Definitions and general requirements**  
Definitions and general requirements for cellulosic papers for electrical purposes, other than those papers containing modified cellulose.  
8 pages £11.00(M), £22.00(NM). GEL/15

**BS 5626-2:1979** = IEC 60554-2:1977  
**Cellulosic papers for electrical purposes. Methods of test**  
Test methods to be used in testing cellulosic papers for electrical purposes for compliance with the requirements of BS 5626-3.  
36 pages £34.00(M), £68.00(NM). GEL/15

**BS 5626-3.1:1981** = IEC 60554-3-1:1979  
**Cellulosic papers for electrical purposes. Specifications for individual materials. General purpose paper**  
Requirements for Class 1 general purpose electrical papers when tested by the procedures of BS 5626-2.  
12 pages £14.00(M), £28.00(NM). GEL/15

- BS 5626-3.2:1985** = IEC 60554-3-2:1983  
**Cellulosic papers for electrical purposes. Specification for individual materials. Capacitor paper**  
 Specifies detailed requirements for kraft capacitor paper types 2.1, 2.2, 2.3 and 2.4 as defined in Part 1. 10 pages £19.00(M), £38.00(NM). GEL/15
- BS 5626-3.3:1982** = IEC 60554-3-3:1980  
**Cellulosic papers for electrical purposes. Specification for individual materials. Crepe paper**  
 Specifies detailed requirements for Type 3.1 (Hard) and Type 3.2 (Soft) creped kraft insulating papers as defined in Part 1. 8 pages £11.00(M), £22.00(NM). GEL/15
- BS 5626-3.4:1980** = IEC 60554-3-4:1979  
**Cellulosic papers for electrical purposes. Specifications for individual materials. Electrolytic capacitor paper**  
 Gives requirements for three types of paper described in Part 1: absorbent separator paper with long fibres, with short fibres and non-absorbent paper. 8 pages £11.00(M), £22.00(NM). GEL/15
- BS 5626-3.5:1995** = IEC 60554-3-5:1984  
**Cellulosic papers for electrical purposes. Specification for individual materials. Special papers**  
 Requirements for special papers such as those used for cables, transformers and conductor wrapping in accordance with class 1 papers to BS 5626-3.1:1981. 20 pages £26.00(M), £52.00(NM). GEL/15/3/9
- BS 5879:1980** = ISO 5635:1978  
**Method for measurement of dimensional change of paper after immersion in water**  
 Method applicable to most kinds of paper but may not be suitable for papers which become extremely fragile or curl excessively after soaking in water. 4 pages £11.00(M), £22.00(NM). PAI/11
- BS 5880:1990** = ISO 5637:1989  
**Method for determination of water absorption of paper and board after immersion in water**  
 A method for the determination of absorption after immersion in water for a specified time. Not applicable to very absorbent papers such as toilet tissue. 8 pages £11.00(M), £22.00(NM). PAI/11
- BS 5881:1980** = ISO 5638  
**Method for determination of grammage of single layers of solid fibreboard**  
 Method for determining the grammage of single layers of glued and laminated solid fibreboard. Applicable to all types of this fibreboard provided that the adhesive dissolves under the conditions specified for the test. 4 pages £11.00(M), £22.00(NM). PAI/11
- BS 6225-2:1982** = ISO 3783:1980  
**Method for determining the resistance to picking of paper and board: accelerating speed method using the IGT tester. Electric model**  
 Describes a method of operating the electric model of the IGT printability tester in order to provide a measure of the picking resistance of paper and board. 12 pages £19.00(M), £38.00(NM). PAI/11
- BS 6388-1:1991** = ISO 5630-1:1991  
**Accelerated ageing of paper and board. Method for dry heat treatment at 105°C**  
 8 pages £11.00(M), £22.00(NM). PAI/11
- BS 6388-2:1987** = ISO 5630-4:1986  
**Accelerated ageing of paper and board. Method for dry heat treatment at 120°C or 150°C**  
 Primarily intended for high purity papers such as are used in electrical equipment. 8 pages £11.00(M), £22.00(NM). PAI/11
- BS 6388-3:1996** = ISO 5630-3:1996  
**Accelerated ageing of paper and board. Method for moist heat treatment at 80°C and 65% relative humidity**  
 14 pages £26.00(M), £52.00(NM). PAI/11
- BS 6410:1991**  
**Methods of test for filter papers**  
 Tests for general, structural, mechanical and functional properties of laboratory, high efficiency air, automotive and industrial filter papers and filter papers for diagnostic applications. 40 pages £41.00(M), £82.00(NM). PAI/13
- BS 6504:1984**  
**Method for determination of water absorption of paper and board (Klemm method)**  
 Describes a method of determining the water absorption of paper and board using a closed vessel to provide a saturated atmosphere. The method provides better accuracy than the open vessel method in BS 2916. 6 pages £11.00(M), £22.00(NM). PAI/11
- BS 6538-1:1985** = ISO 5636-1:1984  
**Air permeance of paper and board. Method for determination of air permeance: general aspects of testing**  
 Specifies the basic requirements for apparatus and general operating procedures for determining the air permeance of paper and board in the medium air permeance range. 8 pages £11.00(M), £22.00(NM). PAI/11
- BS 6538-2:1992** = ISO 5636-3:1992  
**Air permeance of paper and board. Method for determination of air permeance using the Bendtsen apparatus**  
 For use in the medium air permeance range. 16 pages £19.00(M), £38.00(NM). PAI/11
- BS 6538-3:1987** = ISO 5636-5:1986  
**Air permeance of paper and board. Method for determination of air permeance using the Gurley apparatus**  
 The method also permits the measurement of air resistance by the same apparatus. 10 pages £11.00(M), £22.00(NM). PAI/11
- BS 6563:1985**  
**Method for determination of the roughness of paper and board by the Parker Print-surf apparatus**  
 Provides a standard method of using three types of apparatus currently available and gives guidance on care and maintenance. 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 6616:1986** = ISO 1831  
**Specification for paper and print for optical character recognition (OCR)**  
 Requirements for the optical properties of paper, print quality, and character positioning in printed matter for automatic optical character recognition using the character sets OCR-A, OCR-B and E13 B. 20 pages £26.00(M), £52.00(NM). IST/12
- BS 6712-1:1995** = ISO 8226-1:1994  
**Measurement of hygroexpansivity of paper and board. Method for the measurement of hygroexpansivity up to a maximum relative humidity of 68%**  
 14 pages £19.00(M), £38.00(NM). PAI/11
- BS 6712-2:1991** = ISO 8226-2:1990  
**Measurement of hygroexpansivity of paper and board. Method for measurement of hygroexpansivity up to a maximum relative humidity of 86%**  
 Method for the determination when subjected to change in the relative humidity with which it is in equilibrium from 33% to 86%. 10 pages £14.00(M), £28.00(NM). PAI/11
- BS 6890:1987** = ISO 5634:1986  
**Method for determination of grease resistance of paper and board**  
 Applies to creased or uncreased paper and board. It is primarily intended for foodboard, greaseproof, vegetable parchment and similar products. 10 pages £11.00(M), £22.00(NM). PAI/11
- BS 6965-1:1988**  
**Creasing properties of carton board. Method for determination of crease recovery (spring back) of 90° fold**  
 Method of test for determining the decrease/increase in stiffness (spring back) after folding. 8 pages £11.00(M), £22.00(NM). PKW/2
- BS 7325:1990** = ISO 9895:1989  
**Method for determination of the compressive strength of paper and board by the short span test**  
 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 7406:1991** = ISO 9932:1990  
**Methods for determination of water vapour transmission rate of sheet materials (paper and board) by dynamic sweep and static gas methods**  
 Can measure WVTR's as low as 0.05 g/(m<sup>2</sup>d) and be used on materials up to 38 mm thick. 16 pages £19.00(M), £38.00(NM). PAI/11  
 BS 7424:1991
- = ISO 5628:1990  
**Guide to general principles for determination of the bending stiffness of paper and board by static methods**  
 Methods in which the mass of the test piece makes a negligible contribution to the line loading. 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 7427:1991** = ISO 5647:1990  
**Method for determination of titanium dioxide content of paper and board**  
 Determination by either a spectrophotometric procedure or flame atomic absorption spectrophotometric procedure. 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 7463-1:1991** = ISO 9184-1:1990  
**Fibre furnish analysis of paper, board and pulps. General method**  
 General method for the preparation of test slides for fibre furnish analysis. 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 7463-3:1991** = ISO 9184-3:1990  
**Fibre furnish analysis of paper, board and pulps. Method of test by Herzberg stain**  
 To be read in conjunction with BS 7463-1. 8 pages £11.00(M), £22.00(NM). PAI/11
- BS 7463-4:1991** = ISO 9184-4:1990  
**Fibre furnish analysis of paper, board and pulps. Method of test by Graff 'C' stain**  
 To be read in conjunction with BS 7463-1. 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 7463-5:1991** = ISO 9184-5:1990  
**Fibre furnish analysis of paper, board and pulps. Method of test by Lofton-Merritt stain (Wisbar modification)**  
 To be read in conjunction with BS 7463-1. 8 pages £11.00(M), £22.00(NM). PAI/11
- BS 7463-6:1995** = ISO 9184-6:1994  
**Fibre furnish analysis of paper, board and pulps. Determination of fibre coarseness**  
 Specifies a method for the determination of fibre coarseness, which is a fibre property used for characterizing pulp. 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 7463-7:1995** = ISO 9184-7:1994  
**Fibre furnish analysis of paper, board and pulps. Determination of weight factors**  
 Specifies two methods for determining the weight factor of fibres. 12 pages £14.00(M), £28.00(NM). PAI/11
- BS 7500:1995**  
**Specification for marking of recycled paper board**  
 12 pages £14.00(M), £28.00(NM). PAI/12
- BS 7614:1992** = ISO 9961:1992  
**Specification for natural tracing paper**  
 Specifies minimum requirements to be used as a draughting medium. 16 pages £19.00(M), £38.00(NM). PAI/20
- BS EN 1104:1996** = EN 1104:1995  
**Paper and board intended to come into contact with foodstuffs. Determination of transfer of antimicrobial constituents**  
 12 pages £19.00(M), £38.00(NM). CW/47/3
- BS EN 1230-1:2001** = EN 1230-1:2001  
**Paper and board intended for contact with foodstuffs. Sensory analysis. Odour**  
 12 pages £19.00(M), £38.00(NM). CW/47  
 CW/47/3

- BS EN 1230-2:2001** = EN 1230-2:2001  
**Paper and board intended for contact with foodstuffs. Sensory analysis. Off-flavour (taint)**  
 18 pages £26.00(M), £52.00(NM). CW/47 CW/47/3
- BS EN 12625-3:1999** = EN 12625-3:1999  
**Tissue paper and tissue products. Determination of thickness, bulking thickness and apparent bulk density**  
 8 pages £19.00(M), £38.00(NM). PAI/10
- BS EN 12625-4:1999** = EN 12625-4:1999  
**Tissue paper and tissue products. Determination of tensile strength, stretch at break and tensile energy absorption**  
 8 pages £19.00(M), £38.00(NM). PAI/10
- BS EN 12625-5:1999** = EN 12625-5:1999  
**Tissue paper and tissue products. Determination of wet tensile strength**  
 10 pages £19.00(M), £38.00(NM). PAI/10
- BS EN 12625-6:1999** = EN 12625-6:1999  
**Tissue paper and tissue products. Determination of grammage**  
 8 pages £19.00(M), £38.00(NM). PAI/10
- BS EN 12625-7:2000** = EN 12625-7:2000  
**Tissue paper and tissue products. Determination of optical properties**  
 14 pages £19.00(M), £38.00(NM). PAI/10
- BS EN 12858:1999** = EN 12858:1999  
**Paper. Printing and business paper. Requirements for continuous stationery**  
 8 pages £19.00(M), £38.00(NM). PAI/24
- BS EN 12960:2001** = EN 12960:2001  
**Adhesives for paper and board, packaging and disposable sanitary products. Determination of shear resistance**  
 10 pages £19.00(M), £38.00(NM). PRI/52
- BS EN 13676:2001** = EN 13676:2001  
**Polymer coated paper and board intended for food contact. Detection of pinholes**  
 8 pages £19.00(M), £38.00(NM). CW/47 CW/47/3
- BS EN 1541:2001** = EN 1541:2001  
**Paper and board intended to come into contact with foodstuffs. Determination of formaldehyde in an aqueous extract**  
 12 pages £19.00(M), £38.00(NM). CW/47 CW/47/3
- BS EN 20187:1993** = EN 20187:1993 ISO 187:1990  
**Paper, board and pulps. Standard atmosphere for conditioning and testing and procedure for monitoring the atmosphere and conditioning of samples**  
 16 pages £19.00(M), £38.00(NM). PAI/11
- BS EN 20287:1994** = EN 20287:1994 ISO 287:1985  
**Paper and board. Determination of moisture content. Oven-drying method**  
 Method for all paper and board, including corrugated and solid fibreboards, provided that there is not any substance present, other than water, that will escape at the temperature specified for the test.  
 8 pages £11.00(M), £22.00(NM). PAI/11
- BS EN 20534:1993** = EN 20534:1993 ISO 534:1988  
**Method for determination of thickness and apparent bulk density or apparent sheet density of paper and board**  
 Two methods of measuring the thickness and of calculating the density for the thickness determinations.  
 18 pages £14.00(M), £28.00(NM). PAI/11
- BS EN 20535:1994** = EN 20535:1994 ISO 535:1991  
**Paper and board. Determination of water absorptiveness. Cobb method**  
 Determination of surface water absorptiveness of most types of sized paper and board. Not suitable for newsprint, blotting paper or other absorbent papers.  
 12 pages £14.00(M), £28.00(NM). PAI/11
- BS EN 21974:1994** = EN 21974:1994 ISO 1974:1990  
**Paper. Determination of tearing resistance (Elmendorf method)**  
 A method using the single tear apparatus. Can also be applied to light boards if the tearing resistance is within the range of the instrument.  
 16 pages £19.00(M), £38.00(NM). PAI/11
- BS EN 23035:1994** = EN 23035:1994 ISO 3035:1982  
**Single-faced and single-wall corrugated fibreboard. Determination of flat crush resistance**  
 12 pages £14.00(M), £28.00(NM). PAI/11
- BS EN 25264-2:1994** = EN 25264-2:1994 ISO 5264-2:1979  
**Pulps. Laboratory beating. PFI mill method**  
 Applicable to all kinds of pulp and describes furnishing and beating of the stock, withdrawal and distribution of samples, and the beating equipment.  
 8 pages £11.00(M), £22.00(NM). PAI/11
- BS EN 25264-3:1994** = EN 25264-3:1994 ISO 5264-3:1979  
**Pulps. Laboratory beating. Jokro mill method**  
 16 pages £19.00(M), £38.00(NM). PAI/11
- BS EN 25651:1993** = EN 25651:1993 ISO 5651:1989  
**Specification for units for expressing properties of paper, board and pulps**  
 Excludes fibre building boards.  
 22 pages £26.00(M), £52.00(NM). PAI/11
- BS EN 643:2002** = EN 643:2001  
**Paper and board. European list of standard grades of recovered paper and board**  
 14 pages £19.00(M), £38.00(NM). PAI/11
- BS EN 644:1999** = EN 644:1999  
**Paper. Untrimmed sizes. Primary range and supplementary range designation and tolerances, expression of direction of manufacture**  
 8 pages £19.00(M), £38.00(NM). PAI/16
- BS EN 645:1994** = EN 645:1993  
**Paper and board intended to come into contact with foodstuffs. Preparation of a cold water extract**  
 10 pages £11.00(M), £22.00(NM). CW/47
- BS EN 646:2001** = EN 646:2000  
**Paper and board intended to come into contact with foodstuffs. Determination of colour fastness of dyed paper and board**  
 8 pages £19.00(M), £38.00(NM). CW/47 CW/47/3
- BS EN 647:1994** = EN 647:1993  
**Paper and board intended to come into contact with foodstuffs. Preparation of a hot water extract**  
 12 pages £11.00(M), £22.00(NM). CW/47
- BS EN 648:1994** = EN 648:1993  
**Paper and board intended to come into contact with foodstuffs. Determination of the fastness of fluorescent whitened paper and board**  
 12 pages £14.00(M), £28.00(NM). CW/47
- BS EN 920:2001** = EN 920:2000  
**Paper and board intended to come into contact with foodstuffs. Determination of dry matter content in an aqueous extract**  
 10 pages £19.00(M), £38.00(NM). CW/47 CW/47/3
- BS EN ISO 15755:2000** = EN ISO 15755:1999 ISO 15755:1999  
**Paper and board. Estimation of contraries**  
 14 pages £19.00(M), £38.00(NM). PAI/11
- BS EN ISO 186:2002** = EN ISO 186:2002 ISO 186:2002  
**Paper and board. Sampling to determine average quality**  
 18 pages £26.00(M), £52.00(NM). PAI/11
- BS EN ISO 1924-2:1995** = EN ISO 1924-2:1995 ISO 1924-2:1994  
**Paper and board. Determination of tensile properties. Constant rate of elongation method**  
 16 pages £19.00(M), £38.00(NM). PAI/11
- BS EN ISO 216:2001** = EN ISO 216:2001 ISO 216:1975  
**Writing paper and certain classes of printed matter. Trimmed sizes. A and B series**  
 Dimensions and tolerances.  
 14 pages £14.00(M), £28.00(NM). PAI/16
- BS EN ISO 3037:1996** = EN ISO 3037:1996 ISO 3037:1994  
**Corrugated fibreboard. Determination of edgewise crush resistance (unwaxed edge method)**  
 16 pages £26.00(M), £52.00(NM). PAI/11
- BS EN ISO 536:1997** = EN ISO 536:1996 ISO 536:1995  
**Paper and board. Determination of grammage**  
 14 pages £26.00(M), £52.00(NM). PAI/11
- BS EN ISO 5457:1999** = EN ISO 5457:1999 ISO 5457:1999  
**Technical product documentation. Sizes and layout of drawing sheets**  
 14 pages £19.00(M), £38.00(NM). TDW/4
- BS EN ISO 7263:1995** = EN ISO 7263:1995 ISO 7263:1994  
**Corrugating medium. Determination of the flat crush resistance after laboratory fluting**  
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