

9-GP-19
April 1956
CANCELLATION
March 1972

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Standard
for

BOARD; BINDERS

This standard is hereby cancelled. It is no longer
required for government procurement.



CANADA

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

BOARD; BINDERS

9-GP-19

26 APRIL 1956

THIS SPECIFICATION APPLIES TO SINGLE-PLY BINDERS BOARD PRIMARILY FOR USE IN BOOKBINDING.

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

Price

10 CENTS

COMMITTEE ON SPECIFICATIONS FOR PAPER PRODUCTS

(Membership at date of approval by the Committee for
submission to the CGSB)

Aird, W.H.	Howard Smith Paper Mills
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Showalter, H.A.	Inspection Services/DND
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CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
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BOARD; BINDERS

1. DEFINITION

This specification applies to single-ply binders board primarily for use in bookbinding.

2. GENERAL REQUIREMENTS

2.1 Material - The binders board shall be a single-ply, solid board, made from a base stock of mixed papers.

2.2 Workmanship - The binders board shall be free from surface lumps and reasonably smooth and flat. The usable portion of each sheet shall be reasonably free from clip indentations and other mechanical imperfections.

2.3 Grain - Unless otherwise specified by the purchaser, the grain of the board shall run parallel to the longer dimension of the board.

3. DETAIL REQUIREMENTS

3.1 Sizes - The board sizes (lengths and widths) shall be specified by the purchaser. The boards shall not be less than the specified length and width and not more than 1/8 inch greater than the specified length and width.

(Note: A standard size of binders board is 26 x 38 inches).

3.2 Thickness - The thickness of binders board shall be as specified by the purchaser from those listed in Table I. The thickness tolerances shall not exceed those specified in Table II.

TABLE I

Thickness, average	Bursting strength, minimum average	Flexural resistance breaking load, minimum average	
		Lengthwise	Crosswise
Inch	Points	Pounds	Pounds
0.050	210	1.5	1.1
.060	235	2.15	1.6
.065	255	2.5	1.9
.070	275	2.8	2.1
.075	295	3.3	2.4
.080	315	3.8	2.8
.090	350	4.4	3.3
.098	385	5.1	3.8
.110	425	5.6	4.3
.120	450	6.0	4.7
.160	600	10.1	8.3

TABLE II - Tolerance in Thickness

Thickness	Permissible variation* (plus or minus)
Inch	Inch
0.050 to 0.120, inclusive.....	0.003
over 0.120.....	0.008

* NOTE: On boards over 32 inches in the shorter dimension, an additional tolerance of 50 per cent of the specified tolerance will be permitted.

3.4 Density - Each sheet of binders board shall have a density of not less than 0.8 nor more than 1.0 gm/cc., testing being in accordance with Para. 5.3.1.

3.5 Bursting Strength and Flexural Strength - The board shall comply with the requirements of Table I for bursting strength and flexural strength, when tested as specified in Paras. 5.3.2 and 5.3.3, respectively.

3.6 ph of Water Extract - When specified by the purchaser, the pH of a water extract of the board shall be 6.5 ± 1.5 , testing being in accordance with Para. 5.3.4.

3.7 Color - The binders board shall be natural in color.

3.8 Weight - The board shall weigh 50 ± 3 pounds per bundle.

4. PREPARATION FOR DELIVERY

4.1 Packaging and Packing - The boards shall be packaged in flat bundles of 50 ± 3 pounds each, tied firmly with cotton braid. Unless otherwise specified, the boards shall be delivered in unprotected bundles.

4.2 Marking - The top sheet of each bundle shall be marked with the name, size and thickness of the boards, the number of boards contained in the bundle, the name of the contractor, and the number of the contract or order.

5. INSPECTION

5.1 Sampling - The test sample shall consist of 10 specimens cut 10 by 10 inches, each specimen being cut from a different board. Where a delivery consists of less than 30 bundles, not less than 3 bundles shall be sampled. On all deliveries of 30 bundles or more, at least 10 per cent of the bundles shall be samples, except that where a delivery consists of more than 100 bundles, 10 bundles shall be sampled. The lengthwise and cross wise directions of the boards shall be marked on the specimens.

5.2 Conditioning - Test specimens shall be conditioned before testing as specified in Standard A.4 of the Technical Section; Canadian Pulp and Paper Association.

5.3 Testing - The methods of testing shall be the following methods of the Technical Section; Canadian Pulp and Paper Association (CPPA) and of the Technical Association of the Pulp and Paper Industry (TAPPI).

5.3.1 Thickness and Density - CPPA Method D.4.

5.3.2 Bursting Strength - CPPA Method D.8, except that the instrument shall be of the heavy-duty type, both apertures of which are 1.24 ± 0.01 inches in diameter.

5.3.3 Flexural Strength - TAPPI Method T469m, except that loading rate shall be 12 inches per minute.

5.3.4 pH of Water Extract - TAPPI Method T435m.

6. NOTES

6.1 Ordering Data - Invitations to tender for binders board according to this specification should state the following:

- (a) Size (Length and Width)
- (b) Thickness
- (c) Whether the board is to comply with the requirement for pH of water extract, in Para. 3.6.

6.2 This specification is based in part on United States Federal specification UU-B-536a.

Correspondence regarding this specification should be addressed to the Secretary, Canadian Government Specifications Board, National Research Council, Ottawa, Canada.