

9-GP-16P
June 1953
CANCELLATION
22 January 1960

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Provisional Specification
for

FIBREBOARD; HARD-PRESSED

CGSB Provisional Specification 9-GP-16P dated June 1953 is hereby
cancelled and superseded by specification 11-GP-3 dated 22 January 1960.

ARCHIVES COPY

15 June 1953

9-GP-16P

Ref. Copy

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Provisional Specification
for

FIBREBOARD; HARD-PRESSED

1. DEFINITION

This specification applies to hard-pressed, non-laminated fibreboard manufactured from suitable cellulose fibres.

2. CLASSIFICATION

The fibreboard shall be furnished in the following types and classes:

- 2.1 Type A - Untreated
Class I - Standard Board
Class II - Semi-Hard Board

- 2.2 Type B - Treated

3. DETAIL REQUIREMENTS

- 3.1 Dimensions - of the conditioned fibreboard shall be as specified, subject to the following tolerances:

- 3.1.1 Length and Width - Tolerances shall not be more than +0", -1/32" per foot, with a total tolerance of not more than +0", -1/8" per piece.

- 3.1.2 Thickness - of the fibreboard shall be within the range specified in Table I.

- 3.2 Squareness - The corners of any fibreboard sheet or panel shall not deviate from a right angle by an amount greater than that represented by 0.075 degrees (i.e., not more than 1/64 inch per foot).

- 3.3 Physical Properties - The fibreboard shall meet the physical requirements listed in Table I, according to thickness.

- 3.3.1 Linear Expansion - shall not be more than 0.20 percent for Type A, Class I board, 0.25 percent for Type A, Class II board, and 0.15 percent for Type B board.

Method 11.1

TABLE I

Type and Thickness	Density lb./cu.ft. (min.)	Thickness (in.)	Water Absorption Percent (max.)	Thickness Expansion Percent (max.)	*Breaking Strength (min) (modulus of rupture) (psi)
Test Method (9-GP-17)	Method 12.1	Method 3.1	Method 8.1	Method 8.1	Method 5.1
Type A, $\left\{ \begin{array}{l} 1/8" \\ 3/16" \\ 1/4" \\ 5/16" \end{array} \right.$	55	.125 -.155	20	12	4400
Class I $\left\{ \begin{array}{l} 3/16" \\ 1/4" \\ 5/16" \end{array} \right.$	55	.170 -.205	18	10	4200
	55	.230 -.265	16	8	4000
	55	.295 -.335	14	6	3800
Type A, 3/16"	50	.170 -.205	30	18	2900
Class II 1/4"	50	.225 -.275	30	15	2700
Type B, $\left\{ \begin{array}{l} 1/8" \\ 3/16" \\ 1/4" \\ 5/16" \end{array} \right.$	60	.125 -.155	14	9	6500
	60	.170 -.205	12	7	6400
	60	.230 -.265	10	5	6300
	60	.295 -.335	8	5	6200

* Note - Breaking strengths reported shall be the average of results in the machine direction and cross machine direction. The tests are conducted on conditioned specimens.

9-GP-16P

- 2 -

4. SAMPLING AND TEST METHODS

4.1 Sampling shall be in accordance with Method 1.1 of Schedule 9-GP-17: Methods of Sampling and Testing Fibre-board.

4.2 Conditioning of Samples - All samples shall be conditioned before test according to Method 2.1 of Schedule 9-GP-17.

4.3 Testing - The methods of testing shall in all cases be those described in Schedule 9-GP-17, using the method specified in each requirement.

5. MARKING

Each package of fibreboard shall be plainly marked on the outside with the manufacturer's name or trade mark and the type and class contained therein:

e.g. CGSB Type A, Class I.

6. NOTES

6.1 Provision for Retesting - In case of rejection of a shipment on the basis of tests according to Para. 4.3, the vendor shall have the right to reinspect the rejected shipment and resubmit the lot after the removal of those packages not conforming to the specified requirements.

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