11-GP-1
28 November 1958
CANCELLATION
September 1969

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

BOARD: PARTICLE, BUILDING CONSTRUCTION

Specification 11-GP-1, Board: Particle, Building Construction, dated 28 November 1958, is cancelled as of September 1969 because this material is covered by CSA Standard O188, December 1968, Mat-formed Wood Particle Board, available from the Canadian Standards Association, 77 Spencer Street, Ottawa 3, Canada.

11-GP-1
28 November 1958
AMENDMENT NO. 1
5 October 1962

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2. APPLICABLE PUBLICATIONS

Change the listing of applicable publications to read as follows:

2.1 Canadian Government Specifications Board

11-GP-0, Methods of Sampling and Testing Fiberboard

2.2 American Society for Testing and Materials

C355, Water Vapor Transmission of Materials Used in Building Construction

D1037, Methods of Test for Evaluating the Properties of Wood Base Fibre and Particle Panel Materials

5. DETAIL REQUIREMENTS

Table II - Change the test method reference for determination of Water Vapor Permeance from Method 10.1 to ASTM C355.

7. INSPECTION

Replace the 9-GP-17P reference by 11-GP-0 throughout.

Withdrawn/Retirée

CANADA

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

BOARD; PARTICLE, BUILDING CONSTRUCTION

11-GP-1

28 NOVEMBER 1958

ARCHIVES COPY

Withdrawn/Retirée

THIS SPECIFICATION APPLIES TO RESIN BONDED BOARD MANUFACTURED FROM PARTICLES OF WOOD OR OTHER VEGETABLE MATERIALS, FOR USE IN BUILDING CONSTRUCTION.

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

Price

10 CENTS

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COMMITTEE ON SPECIFICATIONS FOR WOOD FIBREBOARD
PARTICLE BOARD AND RELATED PRODUCTS

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11-2-1

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CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

BOARD; PARTICLE, BUILDING CONSTRUCTION

1. DEFINITION

This specification applies to resin bonded board manufactured from particles of wood or other vegetable materials, for use in building construction.

2. APPLICABLE PUBLICATIONS

The following publications contain requirements applicable to this specification:

CGSB Schedule 9-GP-17P: Methods of Sampling and Testing Fibreboard,

ASTM Designation D1037: Methods of Test for Evaluating the Properties of Wood Base Fibre and Particle Panel Materials.

Reference to the above publications is to the issues in effect on the date of the invitation to tender, unless otherwise specified.

3. CLASSIFICATION

The particle board shall be of the following types, according to end use, as specified by the purchaser:

3.1 Type A - Floor underlayment.

3.2 Type B - Interior cladding.

3.3 Type C - Exterior wall sheathing.

3.4 Type D - Roof sheathing (phenolic resin bonded board only).

3.5 Type E - Interior cabinet work.

4. GENERAL REQUIREMENTS

4.1 The particle board shall have a smooth finish and both faces shall be free from cracks, excessive departure from planeness or other manufacturing defects.

4.2 Types A and B board shall have a sanded or equivalent finish on at least one face. Type E board shall have a sanded or equivalent finish on both faces.

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5. DETAIL REQUIREMENTS

5.1 Dimensions - Dimensions of the conditioned particle board shall be as specified by the purchaser, subject to the following tolerances:

5.1.1 Length and Width - Tolerances in length and width shall be not more than +0 inch, -1/16 inch per foot, with a total tolerance of not more than +0 inch, -1/4 inch per piece.

5.1.2 Thickness - Tolerances in thickness shall be not more than specified in Table I, according to type. Measurement of thickness shall be in accordance with Method 3.1 of Schedule 9-GP-17P.

(Note: Particle board is available in thicknesses of 3/16, 1/4, 3/8, 1/2, 5/8, 11/16, 3/4, 7/8, 1 and 1-1/8 inches.)

Table I

Thickness Tolerances

Thickness	Tolerance, plus and minus, per cent		
	Type A	Types B and E	Types C and D
Inches			
1/2 and under	4	6	7
Over 1/2, up to and including 1	3	5	6
Over 1	-	3	4

5.2 Squareness - The corners of any particle board 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).

5.3 Physical Properties - The particle board shall comply with the physical requirements listed in Table II, according to type.

6. PREPARATION FOR DELIVERY

6.1 Marking - Each package of particle board shall be plainly identified as to the type, size and quantity, and shall be marked with the manufacturer's name or trademark.

7. INSPECTION

7.1 Sampling - Sampling of particle board for testing shall be in accordance with Method 1.1 of Schedule 9-GP-17P: Methods of Sampling and Testing Fibreboard.

7.2 Conditioning - All samples shall be conditioned before test according to Method 2.1 of 9-GP-17P.

7.3 Testing - The methods of testing, except for the ASTM methods specified, shall be those described in Schedule 9-GP-17P, using the method specified with each requirement.

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Table II

Requirement	Type					Test Method
	A	B	C	D*	E	
Specific Gravity, minimum	0.53	0.53	0.50	0.50	0.57	Method 12.1
Water Absorption, 24 hour immersion, per cent, maximum	30	40	30	30	30	Method 8.1
Thickness Expansion, per cent, maximum	15	20	20	20	20	Method 8.1
Linear Expansion, per cent, maximum	0.25	0.50	0.50	0.50	0.50	Method 11.1
Water Vapor Permeance, perms, minimum	-	-	3	-	-	Method 10.1
Perpendicular Tensile Strength, psi, minimum	-	-	-	-	50	Method 7.1
Modulus of Rupture, psi, minimum	1000	1000	1000	2000	2400	Method 5.1
Nail Holding, lb., minimum	-	-	20	20	40	Method 13.1
Face Screw Holding, lb., minimum (using #10 wood screw)	-	-	-	-	200	ASTM D1037
Lateral Nail Resistance, 1/2 inch from edge, lb., minimum	-	150	150	150	-	Method 14.1
Hardness, lb., minimum	500	-	-	-	-	ASTM D1037

*Note: Only phenolic resin shall be used as the bonding agent in Type D, roof sheathing board.

Withdrawn/Retirée

8. NOTES

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

(a) Type
(b) Dimensions (length, width, and thickness)

Withdrawn/Retirée

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