

9-GP-3
16 February 1951
CANCELLATION
8 July 1960

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

PAPER; BUILDING, VAPOR BARRIER

Specification 9-GP-3 dated 16 February 1951 is hereby cancelled. It is superseded by specification 70-GP-1, Vapor Barriers; Sheet, for Use in Above-Grade Building Construction.

9-GP-3
16 February 1951
AMENDMENT NO. 1
27 February 1952

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

PAPER; BUILDING, VAPOR BARRIER

Para. 3.4 - Water Vapor Permeability - In the fifth line of
this paragraph add the word "uncreased" after the
word "tested".

9-GP-3
16 February 1952.
AMENDMENT NO. 2
26 June 1952.

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

PAPER; BUILDING, VAPOR BARRIER

Para. 4.2.1 Pliability - Delete the entire paragraph and replace with the following:

"Ten specimen strips of paper, 6 inches by 1 inch, are cut in the machine direction of the paper and are exposed for not less than 12 hours to the test temperature of 30°F. Five of the specimens are bent once, through 90°, around a $\frac{1}{2}$ -inch diameter mandrel at 30°F, with a uniform bending rate so that the total bend is made in two seconds. Care shall be taken that the same side of the paper is next to the mandrel for each of the five specimens. The remaining five specimens are tested with the opposite side of the paper next to the mandrel when the bend is made.

All specimen strips shall remain uncracked."

9-GP-3
16 February 1951
AMENDMENT NO. 3
16 December 1954

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

PAPER; BUILDING, VAPOR BARRIER

Para. 5.2 - Marking - Delete this paragraph and replace with the following:

Each roll shall be plainly marked on the outside to indicate footage per roll and to identify the contents as vapor barrier paper conforming to this specification, in a manner similar to the following:

(Trade Name)

VAPOR BARRIER PAPER

Complies with CGSB Specification 9-GP-3



CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

PAPER; BUILDING, VAPOR BARRIER

9-GP-3

16 FEBRUARY 1951

ARCHIVES COPY

THIS SPECIFICATION APPLIES TO A BUILDING PAPER OR FELT SUITABLE
FOR USE ON THE INSIDE OF HEATED BUILDINGS, TO CONTROL
THE MOVEMENT OF WATER VAPOR

NATIONAL RESEARCH COUNCIL, OTTAWA, CANADA

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* Canadian Pulp and Paper Association.
** Asphalt Roofing Manufacturers Association.

16 February 1951

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
forPAPER; BUILDING, VAPOR BARRIER1. DEFINITION

1.1 This specification applies to a building paper or felt suitable for use on the inside of heated buildings, to control the movement of water vapor.

2. GENERAL REQUIREMENTS

2.1 Workmanship - The material shall be free from visible defects and shall have a uniform appearance. It shall not stick together to an extent that will cause tearing or other damage on unrolling.

3. DETAIL REQUIREMENTS

3.1 Tolerance in Width - A tolerance of $\pm 1/4$ inch shall be permitted in the width specified.

3.2 Pliability - The material shall not crack when bent according to the method described in Para. 4.2.1.

3.3 Tensile Strength - The material shall have a minimum tensile strength, in the machine direction, of 20 lb. per inch width, when tested according to the method referenced in Para. 4.2.2.

3.4 Water Vapor Permeability - The material shall have a maximum water vapor permeability of 0.75 grains per square foot per hour for a calculated pressure differential of 1 inch of mercury. (Approximately 0.5 grams per square meter per 24 hours for a calculated pressure differential of 1 millimeter of mercury), when tested according to the method described in Para. 4.2.3.

4. SAMPLING AND TEST METHODS

4.1 Sampling - All samples shall be not less than 9 square feet in area, and if more than one sample is required, separate samples shall be taken from different rolls. Samples are to be taken after removing at least three outer turns.

4.2 Test Methods

4.2.1 Pliability - Five specimen strips of paper, 6 inches by 1 inch, are cut in the machine direction of the paper. The specimens are bent once, through 90°, around a 1/2-inch diameter mandrel at 30°F, with a uniform bending rate so that the total bend is made in 2 seconds. All specimens strips shall remain uncracked.

4.2.2 Tensile Strength - shall be determined according to the procedure specified in Standard D.6: "Tensile Breaking Strength of Paper and Paperboard," of the Technical Section, Canadian Pulp and Paper Association.

4.2.3 Water Vapor Permeability - shall be determined according to the procedure specified in Standard Method T448M-49: "Water Vapor Permeability of Paper and Paperboard", of the Technical Association of the Pulp and Paper Industry.

5. PACKING AND MARKING

5.1 Packing - Unless otherwise specified, the material shall be furnished in commercial rolls.

5.2 Marking - Each roll shall be plainly marked on the outside to indicate footage per roll and to identify the contents as vapor barrier paper - CGSB specification 9-GP-3.

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