Canadian General Standards Board

Office des normes générales du Canada

CAN/CGSB-1.126-M91
December/Décembre 1991

WITHDRAWAL

October 1998

CANADIAN GENERAL STANDARDS BOARD

VINYL SEALER FOR WOOD

This standard is hereby withdrawn because as far as can be determined it is no longer being used.

RETRAIT

Octobre 1998

OFFICE DES NORMES GÉNÉRALES DU CANADA

PEINTURE D'IMPRESSION VINYLIQUE, POUR LE BOIS

Cette norme est retirée par le présent avis parce que, dans la mesure où il est possible de le constater, elle n'est plus utilisée.

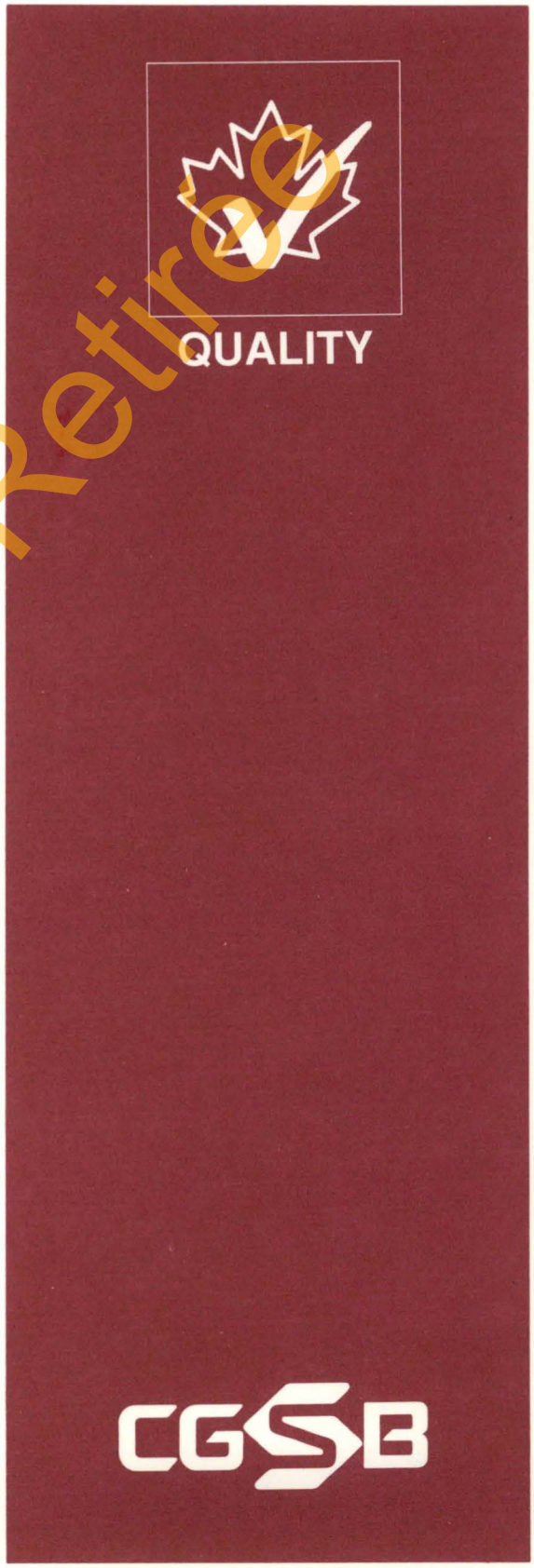
Canada

NATIONAL STANDARD OF CANADA

CAN/CGSB-1.126-M91

Supersedes 1-GP-126M

Vinyl Sealer for Wood



Canadian General Standards Board

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Although the intended primary application of this standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the standard to judge its suitability for their particular purpose.

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Further information on CGSB and its services and standards may be obtained from:

The Secretary
Canadian General Standards Board
Ottawa, Canada
K1A 1G6

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The principal objectives of the Council are to foster and promote voluntary standardization as a means of advancing the national economy, benefiting the health, safety and welfare of the public, assisting and protecting the consumer, facilitating domestic and international trade, and furthering international co-operation in the field of standards.

A National Standard of Canada is a standard which has been approved by the Standards Council of Canada and one which reflects a reasonable agreement among the views of a number of capable individuals whose collective interests provide, to the greatest practicable extent, a balance of representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject in hand. It normally is a standard that is capable of making a significant and timely contribution to the national interest.

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Those who have a need to apply standards are encouraged to use National Standards of Canada whenever practicable. These standards are subject to periodic review; therefore, users are cautioned to obtain the latest edition from the organization preparing the standard.

The responsibility for approving National Standards of Canada rests with the:

Standards Council of Canada
350 Sparks Street
Ottawa, Ontario
K1P 6N7

NATIONAL STANDARD OF CANADA

CAN/CGSB-1.126-M91

Supersedes 1-GP-126M
April 1978

VINYL SEALER FOR WOOD

The Canadian General Standards Board administers a Qualification Listing Program for products conforming to the requirements of this standard. Further information on the listing program is available from the Qualification and Certification Listing Branch of CGSB.

Prepared by the
Canadian General Standards Board CGSB

Approved by the
Standards Council of Canada

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Acknowledgment is made for the French translation of this National Standard of Canada by the Translation Bureau of the Department of the Secretary of State.

CANADIAN GENERAL STANDARDS BOARD

VINYL SEALER FOR WOOD

1. SCOPE

1.1 This standard applies to synthetic resin sealer for use in sealing wood prior to painting.

1.2 For more detailed information on intended uses, see par. 7.2.

1.3 The testing and evaluation of a product against this standard may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this standard has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. APPLICABLE PUBLICATIONS

2.1 The following publications are applicable to this standard:

2.1.1 Canadian General Standards Board (CGSB)

1-GP-71 — Methods of Testing Paints and Pigments

CAN/CGSB-1.122-M — Anticorrosive Vinyl Primer.

2.1.2 Department of Consumer and Corporate Affairs

Hazardous Products Act.

2.1.3 ASTM

D 154 — Methods of Testing Varnishes

D 1200 — Test Method for Viscosity of Paints, Varnishes, and Lacquers by Ford Viscosity Cup

D 1396 — Method for Chemical Analysis of Poly (Vinyl Butyral).

2.2 Reference to the publications in par. 2.1.1 and 2.1.3 and to other related standards is to the latest issues, unless otherwise specified by the authority applying this standard. The sources for all publications are shown in the Notes section.

3. GENERAL REQUIREMENTS

3.1 **Composition** — Sealer to this standard shall be an ethyl alcohol solution of phenolic varnish and polyvinyl butyral resin (Appendix A).

3.1.1 The phenolic varnish shall consist of a heat-reactive, pure phenolic resin in ethyl alcohol.

3.1.2 The resin shall consist of a poly (vinyl partial-butyral) resin containing only vinyl butyral, vinyl alcohol and vinyl acetate.

3.2 The sealer shall be a transparent, clear, homogeneous liquid, free from suspended matter, sediment and other visible impurities. As supplied it shall be suitable for dipping, brushing or spraying.

4. DETAILED REQUIREMENTS

Sealer to this standard shall comply with the following detailed requirements when tested in accordance with the specified test methods:

				Test Method	
		Min.	Max.	CGSB 1-GP-71	ASTM
4.1	Relative density at 25°C	0.800	0.910	2.2	—
4.2	Consistency, No. 4 Ford Cup, s	25	30	—	D 1200
4.3	Drying time, dry hard, h	—	1	5.1	—
4.4	Nonvolatile matter, % by mass	21.0	—	—	D 154
4.5	Rosin and rosin derivatives	—	Nil	60.1	—
4.6	Butyraldehyde, % by mass	0.9	1.3	—	D 1396

4.7 **Phenolic Resin** — The sealer shall give a positive test for phenolic resin when tested in accordance with CGSB standard 1-GP-71, Method 75.2

4.8 **Behaviour Toward Topcoats** — There shall be no wrinkling, cracking, softening, peeling, lifting nor other defects when primer conforming to CAN/CGSB-1.122-M is applied over the sealer that has dried 24 h and when tested in accordance with CGSB standard 1-GP-71, Method 130.6

5. PREPARATION FOR DELIVERY

5.1 Unless otherwise specified (par. 7.1), packaging, packing and marking shall conform to normal commercial practice.

5.2 Packaging the containers in which the sealer is supplied shall be of such a design as to provide leak-free storage for two years.

5.3 **Toxic Elements** — This sealer shall be labelled to conform to the requirements of the Hazardous Products Act in respect to designated toxic elements.

5.4 **Labelling** — In addition to complying with the labelling requirements of any Acts or Regulations, each container shall be suitably labelled to show the following information:

Name of material

Standard number: CAN/CGSB-1.126-M91

NATO stock number (when required)

Manufacturer's name and address

Manufacturer's batch number

Manufacturer's code number

Date of manufacture.

6. INSPECTION

6.1 **Sampling** — Sampling shall be carried out in accordance with CGSB standard 1-GP-71, Method 1.1.

7. NOTES

7.1 **Option** — The following option must be specified in the application of this standard:

a. Packing and marking details, if other than normal commercial practice (par. 5.1).

7.2 **Intended Uses** — This sealer is intended for use over knots to prevent resinous material in the knots from bleeding through and discolouring subsequently applied coats of paint.

7.2.1 On new work, coat all knots and pitchy streaks with knot sealer before applying primer.

7.2.2 On repaint work, scrape off old paint from knots and pitchy streaks down to the bare wood; bevel edges of paint with sandpaper and coat scraped areas with knot sealer before repainting.

7.2.3 Brush the knot sealer thoroughly over the knots and surrounding areas to ensure complete coverage. If doubtful one coat is sufficient, brush on two coats of sealer. Sealer will set to touch in 10 to 15 min; however, allow it to dry overnight before applying paint over it. Do not use sealer under lacquer or apply putty directly over the sealer. Fill cracks and nail holes after primer has been applied.

7.2.4 This sealer is also intended for use on wooden ship hulls under vinyl antifouling paint conforming to CGSB standard 1-GP-123M.

7.3 Related Publications

7.3.1 CGSB Standards

1-GP-189M — Primer, Alkyd, Wood, Exterior

CAN/CGSB-1.122-M — Anticorrosive Vinyl Primer

1-GP-123M — Paint, Vinyl, Antifouling, for Ships' Bottoms.

7.3.2 U.S. Military Specifications

MIL-S-12935 — Sealer, Surface, for Knots.

7.4 Sources of Referenced Publications

7.4.1 The publications referred to in par. 2.1.1 and 7.3.1 may be obtained from the Canadian General Standards Board, Sales Unit, Ottawa, Canada K1A 1G6. Telephone (819) 956-0425 or 956-0426. Fax (819) 956-5644.

7.4.2 The publication referred to in par. 2.1.2 may be obtained from the Canada Communication Group, Publishing, Ottawa, Canada KlA 0S9. Telephone (819) 956-4802.

7.4.3 The publications referred to in par. 2.1.3 is obtainable from ASTM, 1916 Race Street, Philadelphia, PA 19103, U.S.A. or from the Standards Council of Canada, Standards Sales Branch, 350 Sparks Street, Suite 1200, Ottawa, Ontario K1P 6N7.

7.4.4 The publication referred to in par. 7.3.2 may be obtained from the Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120, U.S.A.

The sealer to this standard is based upon the following formula, given for information:

		Min.	Max.
A1.	**The Sealer** — % by mass		
A1.1	Phenolic varnish	33.0	34.0
A1.2	Poly (vinyl butyral) resin	3.3	3.7
A1.3	Denatured alcohol (85% Ethanol)*	62.5	63.5
A2.	**The Phenolic Varnish**		
A2.1	Nonvolatile matter, % by mass	60	—
A2.2	Consistency, No. 4 Ford cup, s	90	120
A2.3	Relative density	1.06	—
A3.	**The Resin**		
A3.1	Poly (vinyl alcohol), % by mass	18	20
A3.2	Poly (vinyl acetate), % by mass	—	1
A3.3	Viscosity (6% in methanol), mPa·s	13	18
A3.4	Relative density	1.05	1.15

**Grade D.A.G. No. 2-A (Revenue Canada Circular ED 204-3).*