

Canadian General Standards Board

CGSB

Office des normes générales du Canada

ONGC

CAN/CGSB-1.68-M91

May/Mai 1991

WITHDRAWAL

March 1999

**CANADIAN GENERAL
STANDARDS BOARD**

SOLVENT TYPE PRIMER-SEALER FOR INTERIOR WALLS

This standard is hereby withdrawn. Its content is covered in CAN/CGSB-1.38-M91, Interior Enamel Undercoater, and by CAN/CGSB-1.119-95, Interior Latex Primer-Sealer.

RETRAIT

Mars 1999

**OFFICE DES NORMES
GÉNÉRALES DU CANADA**

PEINTURE D'IMPRESSION D'INTÉRIEUR, À BASE DE SOLVANT, POUR MURS

Cette norme est retirée par le présent avis. Son contenu fait l'objet de CAN/CGSB-1.38-M91, Peinture-émail d'intérieur, pour couche de fond, et de CAN/CGSB-1.119-95, Peinture-émulsion d'impression d'intérieur.

Canada

NATIONAL STANDARD OF CANADA

CAN/CGSB-1.68-M91

Supersedes 1-GP-68Ma

**Solvent Type Primer-Sealer
For Interior Walls**



QUALITY

Withdrawn/Retiré

Canadian General Standards Board

CGSB

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SOLVENT TYPE PRIMER-SEALER FOR INTERIOR WALLS

This new edition supersedes 1-GP-68Ma, October 1982. Technical changes include a revision of the requirements for water content and gloss units.

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



Approved by the

Standards Council of Canada



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CANADIAN GENERAL STANDARDS BOARD

SOLVENT TYPE PRIMER-SEALER FOR INTERIOR WALLS**1. SCOPE**

- 1.1 This standard applies to an interior wall primer-sealer normally used for sealing fully-cured plaster or previously painted porous surfaces.
- 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-4M — Thinner, Petroleum Spirits
 - 1-GP-12 — Standard Paint Colors, Part III
 - 1-GP-71 — Methods of Testing Paints and Pigments.

- 2.1.2 Department of Consumer and Corporate Affairs

- Hazardous Products Act.

- 2.1.3 ASTM

- D 1210 — Test Method for Fineness of Dispersion of Pigment-Vehicle Systems.

- 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 Primer-sealer complying with this standard shall consist of suitable pigment mixtures adequately dispersed in a solvent-reducible vehicle. It shall have the property of sealing the surface and preventing the absorption of the succeeding coat.
- 3.2 The primer-sealer as supplied shall be suitable for application by brush or roller and shall be satisfactory for spraying when reduced with thinner conforming to CGSB standard 1-GP-4M according to the manufacturer's instructions.
- 3.3 The primer-sealer shall flow, lap, spread and level well, and when dry shall afford good adhesion.

- 3.4 The primer-sealer shall not have a disagreeable odour during or after application.
- 3.5 The primer-sealer shall not skin, thicken excessively or cake in the original unopened container for one year from date of shipment when stored at temperatures not exceeding 40°C. At the end of this time, it shall be capable of being readily mixed to a uniform condition by stirring and shall meet the requirements for applicability and appearance (par. 4.10).
- 3.6 **Colour** — The primer-sealer shall be white unless otherwise specified (par. 7.1). For other suitable colours, reference may be made to the lighter semigloss colours in CGSB standard 1-GP-12.

4. DETAILED REQUIREMENTS

Primer-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	Flash point, Pensky-Martens Closed Cup, °C	35	—	3.1	—
4.2	Consistency, Krebs units	65	—	4.5	—
4.3	Drying time, dry hard, h	—	18	5.1	—
4.4	Hiding power, m ² /L	6	—	14.1	—
4.5	60° gloss, units	0	30	13.1	—
4.6	Fineness of grind, Hegman	3	—	—	D 1210
4.7	Water content, % by mass	—	1.5	24.1	—
4.8	Skinning Properties — The primer-sealer shall be nonskinning when tested in accordance with CGSB standard 1-GP-71, Method 10.1.				
4.9	Flexibility — The dried primer-sealer shall show no cracking or peeling when subjected to the bending test at 23°C using a 12.7 mm mandrel in accordance with CGSB standard 1-GP-71, Method 119.5.				
4.10	Applicability and Appearance — A brush-out of the primer-sealer applied as directed, with 24 h drying time for both coats, shall confirm that the primer-sealer complies with the following requirements when tested in accordance with CGSB standard 1-GP-71, Method 134.12.				
4.10.1	It shall have suitable consistency and good brushing properties, i.e., good flow-out with absence of ridges, sagging and brush marks, and shall be free from coarse particles.				
4.10.2	The primer-sealer shall not have an objectionable odour and shall have satisfactory recoating and drying time. There shall be no lifting, wrinkling, lack of uniformity nor other film defects.				
4.10.3	When semigloss enamel complying to CGSB standard 1-GP-57M is applied over the primer-sealer 18 h after application of the primer-sealer, the primer-sealer shall have satisfactory recoat properties. The topcoat shall be a uniform semigloss over the whole area indicating good hold-out of the primer. There shall be no indication of ghosting or flashing.				
4.10.4	Roller Application — The roller application shall show no marked foaming, cratering, sagging, or excessive stippling.				

5. PREPARATION FOR DELIVERY

- 5.1 Unless otherwise specified (par. 7.1), preparation for delivery shall conform to normal commercial practice.
- 5.2 **Labelling** — In addition to complying with the labelling requirements of any relevant Acts and Regulations, each container shall be suitably labelled to show the following information:

Name of material

Colour and number, CGSB 1-GP-12

Standard number: CAN/CGSB-1.68-M91

Manufacturer's name and address

Manufacturer's batch number

Manufacturer's code number

Date of manufacture

Thinning instructions for spraying using thinner conforming to CGSB standard 1-GP-4M.

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

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 **Options** — The following options must be specified in the application of this standard:

- a. Colour (par. 3.6)
- b. Preparation for delivery, if other than as specified (par. 5.1).

7.2 Intended Uses

- 7.2.1 This primer-sealer is intended primarily for application over previously unpainted surfaces such as dry, fully-cured plaster, and over previously painted porous surfaces such as may be encountered when repainting over flat wall finishes. The primer-sealer must be allowed to dry 18 h before topcoating.
- 7.2.2 Newly plastered surfaces should not be painted if the moisture content, as indicated by a moisture meter, is more than 16%.
- 7.2.3 The primer-sealer may be applied by brush, roller or spray.
- 7.2.4 High hiding in a primer-sealer is often undesirable since this normally detracts from sealing qualities. The hiding produced by, or resulting from, one coat of sealer followed by one coat of semigloss enamel should be satisfactory.
- 7.2.5 On some types of wallboard, primer-sealer conforming to CAN/CGSB-1.68-M may give rise to so-called "peach fuzz". If this occurs, sand lightly and apply a second coat of primer-sealer. Emulsion sealers, of the type conforming to CGSB standard 1-GP-119M, minimize the occurrence of this problem so that one coat of this type of sealer may be used as an alternative to two coats of primer-sealer complying with this standard.
- 7.2.6 Materials meeting requirements of the following CGSB standards may be used as topcoats with this primer-sealer:
- 1-GP-57M — Enamel, Interior, Semigloss, Alkyd Type
 - 1-GP-60M — Enamel, Interior, Gloss, Alkyd Type
 - 1-GP-100M — Paint, Interior, Latex Type, Flat
 - 1-GP-118M — Finish, Interior, Alkyd, Flat
 - 1-GP-195M — Paint, Interior, Latex Type, Semigloss
 - 1-GP-202M — Enamel, Interior, Low Gloss, Alkyd.

7.3 Related Publication

CGSB standard 1-GP-119M — Primer-Sealer, Wall, Interior, Latex type.

- 7.3.1 For further information on the coatings listed above see CGSB standard 1-GP-72, Guide to the Selection of Paint Specifications on Use Basis.

7.4 Sources of Referenced Publications

- 7.4.1 The publications referred to in par. 2.1.1, 7.2.6 and 7.3 may be obtained from the Canadian General Standards Board, Sales Unit, Ottawa, Ontario, 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, Ontario, K1A 0S9. Telephone (819) 956-4802.
- 7.4.3 The publication referred to in par. 2.1.3 may be obtained from ASTM, 1916 Race Street, Philadelphia, PA 19103, U.S.A. or from Standard Council of Canada, Standards Sales Branch, 350 Sparks Street, Suite 1200, Ottawa, Ontario K1P 6N7.
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