

Canadian General Standards Board



Office des normes générales du Canada



CAN/CGSB-1.197-92

June/Juin 1992

WITHDRAWAL

February 1999

**CANADIAN GENERAL
STANDARDS BOARD**

THINNER FOR EPOXY COATINGS

This standard is hereby withdrawn. As far as can be determined it is no longer being used in quantities that would warrant the continued maintenance of the standard.

RETRAIT

Février 1999

**OFFICE DES NORMES
GÉNÉRALES DU CANADA**

**DILUANT POUR REVÊTEMENTS AUX RÉSINES
ÉPOXYDIQUES**

Cette norme est retirée par le présent avis. Dans la mesure où il est possible de le constater, elle n'est plus utilisée en quantité suffisante pour la maintenir en vigueur.

NATIONAL STANDARD OF CANADA

CAN/CGSB-1.197-92

Supersedes 1-GP-197M

Thinner for Epoxy Coatings



QUALITY

Withdrawn/Retired

Canadian General Standards Board

CGSB

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THINNER FOR EPOXY COATINGS

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.

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Approved by the
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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

THINNER FOR EPOXY COATINGS**1. SCOPE**

- 1.1 This standard applies to a mixture of organic liquids for use as a solvent or thinner for coatings formulated with epoxy resins. It may also be used as a thinner for acrylic-nitrocellulose lacquers.
- 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
 1-GP-146 — Coating, Epoxy, Cold Cured, Gloss
 1-GP-159 — Lacquer, Acrylic Cellulose Nitrate, Gloss
 1-GP-160 — Lacquer, Acrylic Cellulose Nitrate, Camouflage
 CAN/CGSB-1.165 — Cold Curing Epoxy Primer
 1-GP-184 — Coating, Coal Tar-Epoxy.

2.1.2 ASTM

- D 130 — Method for Detection of Copper Corrosion from Petroleum Products by the Copper Strip Tarnish Test
 D 156 — Test Method for Saybolt Color of Petroleum Products (Saybolt Chromometer Method)
 D 1209 — Test Method for Color of Clear Liquids (Platinum-Colbalt Scale).

- 2.2 Reference to the above publications is to the latest issues, unless otherwise specified by the authority applying this standard. The sources of these publications are shown in the Notes section.

3. GENERAL REQUIREMENTS

- 3.1 The thinner shall consist only of the following constituents and in the proportions indicated:

Constituent	Proportion (by volume)
Methyl isobutyl ketone (MIBK)	40
Xylene	40
1-ethoxy, 2-propylacetate	20

- 3.2 The thinner shall satisfactorily reduce epoxy coatings and acrylic-cellulose nitrate lacquers when these materials are applied by spray in accordance with the manufacturer's instructions.
- 3.3 The thinner shall be a clear colourless liquid free from suspended matter, water and other visible impurities.

4. DETAILED REQUIREMENTS

Thinner to this standard shall comply with the following detailed requirements:

		Test Method			
		Min.	Max.	CGSB	ASTM
				1-GP-71	
4.1	Evaporation residue, % by mass	—	0.1	20.1	—
4.2	Benzene, % by volume	—	0.5	28.5	—
4.3	Xylene, % by volume	38.5	42	28.5	—
4.4	Methyl isobutyl ketone, % by volume	38.5	—	28.5	—
4.5	1-ethoxy, 2-propylacetate, % by volume	18.5	—	28.5	—
4.6	Sulphur (copper strip test)	—	1	—	D 130
4.7	Chlorinated compounds	—	Nil	73.1	—
4.8	Colour				
	Platinum-cobalt	—	25	—	D 1209*
	Saybolt	25	—	—	D 156

* In case of dispute, D 156 shall be the referee method.

5. PREPARATION FOR DELIVERY

5.1 Unless otherwise specified (par. 7.1), the thinner shall be packaged in cans with pouring spouts, and packed and marked in accordance with normal commercial practice.

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

Name of material

Standard number: CAN/CGSB-1.197-92

NATO stock number (when required)

Manufacturer's name and address

Manufacturer's batch number

Manufacturer's code number

Date of manufacture

A cautionary note to indicate that this thinner is intended for use with epoxy coatings and acrylic-nitrocellulose lacquers only.

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. If packaging to be in other than cans with pouring spouts (par. 5.1)

b. Packing and marking details, if normal commercial practice is not suitable (par. 5.1).

7.2 **Intended Uses** — Thinner to this standard is intended for use in reducing epoxy coatings conforming to CGSB standard 1-GP-146 and CAN/CGSB-1.165, coal tar-epoxy coatings conforming to CGSB standard 1-GP-184, acrylic-cellulose nitrate lacquers conforming to CGSB standards 1-GP-159 and 1-GP-160 and other similar formulations. It is also suitable for use as a clean-up solvent for such coatings.

7.3 **Sources of Referenced Publications**

7.3.1 The publications referred to in par. 2.1.1 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.

7.3.2 The publications referred to in par. 2.1.2 may be obtained from ASTM, 1916 Race Street, Philadelphia, PA 19103, U.S.A. or from the Standards Council of Canada, Standards Sales Branch, 45 O'Connor Street, Suite 1200, Ottawa, Ontario K1P 6N7.

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