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Series 1  
Série des 1

## WITHDRAWAL

October 2011

### **Selected standards in the series Paints, pigments and related products**

These CGSB standards and National Standards of Canada are hereby withdrawn due to limited use and support for their revision.

The Standards Council of Canada requires that accredited Standards Development Organizations, such as the CGSB, regularly review a consensus Standard to determine whether to re-approve, revise or withdraw. The review cycle is normally five years from the publication date of the latest edition of the Standard.

The information contained in these Standards was originally developed pursuant to a voluntary standards development initiative of the CGSB. The information contained therein may no longer represent the most current, reliable, and/or available information on these subjects. CGSB hereby disclaims any and all claims, representation or warranty of scientific validity, or technical accuracy implied or expressed respecting the information therein contained. The CGSB shall not take responsibility nor be held liable for any errors, omissions, inaccuracies or any other liabilities that may arise from the provision or subsequent use of such information. These Standards are

## RETRAIT

Octobre 2011

### **Sélection de normes de la série Peintures, pigments et produits connexes**

Ces normes de l'ONGC et ces Normes nationales du Canada sont retirées par le présent avis en raison de leur utilisation limitée et du manque de support pour leur révision.

Le Conseil canadien des normes exige que les organismes accrédités d'élaboration de normes, tel que l'ONGC, effectue régulièrement un examen des normes consensuelles afin de déterminer s'il y a lieu d'en renouveler l'approbation, de les réviser ou de les retirer. Le cycle d'examen d'une norme est généralement de cinq ans à partir de la date de publication de la dernière édition de celle-ci.

L'information contenue dans ces normes a été élaborée initialement en vertu d'une initiative volontaire d'élaboration de normes de l'ONGC. Elle peut ne plus représenter l'information disponible et/ou l'information la plus actuelle ou la plus fiable à ce sujet. L'ONGC décline par la présente toute responsabilité à l'égard de toute affirmation, déclaration ou garantie de validité scientifique ou d'exactitude technique implicite ou explicite relative à l'information contenue dans ces normes. L'ONGC n'assumera aucune responsabilité et ne sera pas tenu responsable quant à toute erreur, omission, inexactitude ou autre conséquence pouvant découler de la fourniture ou de l'utilisation subséquente de

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to be referred to for archival purposes only as their content has been repealed as of the date on this withdrawal notice.

Archived copies of withdrawn standards for historic or archival purposes are still available from the CGSB Sales Centre by telephone at 819-956-0425 or 1-800-665-2472, by fax at 819-956-5740, by Internet at [www.tpsgc-pwgsc.gc.ca/ongc-cgsb/](http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/), by e-mail at [ncr.CGSB-ONGC@tpsgc-pwgsc.gc.ca](mailto:ncr.CGSB-ONGC@tpsgc-pwgsc.gc.ca) or by mail at Sales Centre, Canadian General Standards Board, 11 Laurier Street, Gatineau, Canada K1A 1G6.

**CAN/CGSB-1.5-M91**

Low Flash Petroleum Spirits Thinner  
(ICS 87.040)

**CAN/CGSB-1.28-98**

Exterior Alkyd House Paint (ICS 87.040)

**CAN/CGSB-1.36-97**

General Purpose Interior Alkyd Varnish  
(ICS 87.040)

**CAN/CGSB-1.38-2000**

Interior Enamel Undercoater (ICS 87.040)

**CAN/CGSB-1.40-97**

Anticorrosive Structural Steel Alkyd Primer  
(ICS 87.040)

**CAN/CGSB-1.57-2003**

Interior Alkyd Semigloss Enamel  
(ICS 87.040)

**CAN/CGSB-1.59-97**

Alkyd Exterior Gloss Enamel (ICS 87.040)

**CAN/CGSB-1.60-97**

Interior Alkyd Gloss Enamel (ICS 87.040)

cette information. Ces normes doivent être consultées à des fins archivistiques seulement puisque leur contenu a été révoqué à la date du présent avis de retrait.

Des copies archivées des normes retirées peuvent être obtenues à des fins historiques ou archivistiques auprès du Centre des ventes de l'ONGC. Il suffit d'en faire la demande par téléphone au 819-956-0425 ou 1-800-665-2472, par télécopieur au 819-956-5740, par Internet à : [www.tpsgc-pwgsc.gc.ca/ongc-cgsb/](http://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/), par courriel à [ncr.CGSB-ONGC@tpsgc-pwgsc.gc.ca](mailto:ncr.CGSB-ONGC@tpsgc-pwgsc.gc.ca), ou par courrier adressé au Centre des ventes, Office des normes générales du Canada, 11, rue Laurier, Gatineau, Canada K1A 1G6.

**CAN/CGSB-1.5-M91**

Diluant, essence minérale à faible point  
d'éclair (ICS 87.040)

**CAN/CGSB-1.28-98**

Peinture aux résines alkydes d'extérieur  
pour bâtiments (ICS 87.040)

**CAN/CGSB-1.36-97**

Vernis d'intérieur aux résines alkydes  
d'usage général (ICS 87.040)

**CAN/CGSB-1.38-2000**

Peinture-émail d'intérieur, pour couche de  
fond (ICS 87.040)

**CAN/CGSB-1.40-97**

Peinture pour couche primaire  
anticorrosion, aux résines alkydes, pour  
acier de construction (ICS 87.040)

**CAN/CGSB-1.57-2003**

Peinture-émail, d'intérieur, semi-brillante,  
aux résines alkydes (ICS 87.040)

**CAN/CGSB-1.59-97**

Peinture-émail, d'extérieur, brillante, aux  
résines alkydes (ICS 87.040)

**CAN/CGSB-1.60-97**

Peinture-émail brillante d'intérieur aux  
résines alkydes (ICS 87.040)

**CAN/CGSB-1.61-2004**

Exterior and Interior Marine Alkyd Enamel  
(ICS 87.040)

**CAN/CGSB-1.69-98**

Aluminum Paint (ICS 87.040)

**1-GP-71** (Oct 1983)

Methods of Testing Paints and Pigments  
(ICS 87.040)

**1-GP-71**

Methods of Testing Paints and Pigments

**No. 5-96**

Drying Times of Paints and Related  
Coatings (ICS 87.040)

**No. 38-96**

Blushing Resistance of Lacquer  
Finishes (ICS 87.040)

**No. 73-96**

Beilstein Test for Chlorinated Solvents  
(ICS 87.040)

**CAN/CGSB-1.73-97**

Exterior and Interior Enamel for Floors  
(ICS 87.040)

**CAN/CGSB-1.74-2001**

Alkyd Traffic Paint (ICS 87.040)

**CAN/CGSB-1.76-2000**

Interior and Exterior Heat-Resistant Enamel  
(ICS 87.040)

**CAN/CGSB-1.81-M90**

Air Drying and Baking Alkyd Primer for  
Vehicles and Equipment (ICS 87.040)

**CAN/CGSB-1.84-M91**

Alkyd Primer for Hardwood (ICS 87.040)

**CAN/CGSB-1.61-2004**

Peinture-émail aux résines alkydes,  
d'extérieur et d'intérieur, marine  
(ICS 87.040)

**CAN/CGSB-1.69-98**

Peinture à l'aluminium (ICS 87.040)

**1-GP-71** (oct. 1983)

Méthodes d'essai des peintures et pigments  
(ICS 87.040)

**1-GP-71**

Méthodes d'essai des peintures et pigments

**N° 5-96**

Durée de séchage des peintures et  
revêtements apparentés (ICS 87.040)

**N° 38-96**

Résistance à l'opalescence des  
produits-laque de finition (ICS 87.040)

**N° 73-96**

Détermination de la présence de  
solvants chlorés par l'essai de Beilstein  
(ICS 87.040)

**CAN/CGSB-1.73-97**

Peinture-émail d'extérieur et d'intérieur,  
pour sols (ICS 87.040)

**CAN/CGSB-1.74-2001**

Peinture alkyde de démarcation routière  
(ICS 87.040)

**CAN/CGSB-1.76-2000**

Peinture-émail résistant à la chaleur,  
d'intérieur et d'extérieur (ICS 87.040)

**CAN/CGSB-1.81-M90**

Peinture pour couche primaire aux résines  
alkydes, séchant à l'air ambiant et au four,  
pour véhicules automobiles et équipement  
(ICS 87.040)

**CAN/CGSB-1.84-M91**

Peinture d'impression aux résines alkydes,  
pour bois dur (ICS 87.040)

**CAN/CGSB-1.88-92**

Gloss Alkyd Enamel, Air Drying and Baking  
(ICS 87.040)

**CAN/CGSB-1.100-99**

Interior Flat Latex Paint (ICS 87.040)

**CAN/CGSB-1.104-M91**

Semigloss Alkyd Air Drying and Baking  
Enamel (ICS 87.040)

**CAN/CGSB-1.105-M91**

Quick-Drying Primer (ICS 87.040)

**CAN/CGSB-1.114-M91**

Quick-Drying Flat Enamel (ICS 87.040)

**CAN/CGSB-1.118-95**

Interior Flat Alkyd Finish (ICS 87.040)

**CAN/CGSB-1.119-2000**

Interior Latex Primer-Sealer (ICS 87.040)

**CAN/CGSB-1.122-99**

Anticorrosive Vinyl Primer (ICS 87.040)

**CAN/CGSB-1.132-M90**

Zinc Chromate Primer, Low Moisture  
Sensitivity (ICS 87.040)

**CAN/CGSB-1.135-99**

Flat Alkyd Enamel for Equipment  
(ICS 87.040)

**CAN/CGSB-1.138-97**

Exterior Latex Flat Paint (ICS 87.040)

**CAN/CGSB-1.143-98**

Silicone Alkyd Heat-Resistant Aluminum  
Enamel (ICS 87.040)

**CAN/CGSB-1.88-92**

Peinture-émail brillante aux résines alkydes,  
séchant à l'air ambiant et au four  
(ICS 87.040)

**CAN/CGSB-1.100-99**

Peinture-émulsion mate d'intérieur  
(ICS 87.040)

**CAN/CGSB-1.104-M91**

Peinture-émail semi-brillante aux résines  
alkydes séchant à l'air ambiant et au four  
(ICS 87.040)

**CAN/CGSB-1.105-M91**

Peinture pour couche primaire à séchage  
rapide (ICS 87.040)

**CAN/CGSB-1.114-M91**

Peinture-émail mate à séchage rapide  
(ICS 87.040)

**CAN/CGSB-1.118-95**

Peinture de finition mate d'intérieur aux  
résines alkydes (ICS 87.040)

**CAN/CGSB-1.119-2000**

Peinture-émulsion d'impression d'intérieur  
(ICS 87.040)

**CAN/CGSB-1.122-99**

Peinture pour couche primaire, aux résines  
vinyliques, anticorrosion (ICS 87.040)

**CAN/CGSB-1.132-M90**

Peinture pour couche primaire, au chromate  
de zinc, à faible sensibilité à l'humidité  
(ICS 87.040)

**CAN/CGSB-1.135-99**

Peinture-émail mate aux résines alkydes  
pour équipement (ICS 87.040)

**CAN/CGSB-1.138-97**

Peinture-émulsion (latex) mate, d'extérieur  
(ICS 87.040)

**CAN/CGSB-1.143-98**

Peinture-émail aux résines silicones-  
alkydes résistante à la chaleur (ICS 87.040)

**CAN/CGSB-1.145-97**

Solvent-Based Pigmented Stain  
(ICS 87.040)

**CAN/CGSB-1.146-99**

Cold Curing, Gloss Epoxy Coating  
(ICS 87.040)

**CAN/CGSB-1.150-M91**

Clear Lacquer for Wood Furniture  
(ICS 87.040)

**CAN/CGSB-1.153-2000**

High-Build, Gloss Epoxy Coating  
(ICS 87.040)

**CAN/CGSB-1.154-M89**

Latex Type Paint for Concrete Floors  
(ICS 87.040)

**CAN/CGSB-1.158-M89**

Cellulose Nitrate Primer, Modified Alkyd  
Type (ICS 87.040)

**CAN/CGSB-1.159-92**

Acrylic Cellulose Nitrate Gloss Lacquer  
(ICS 87.040)

**CAN/CGSB-1.160-93**

Low Gloss Acrylic Cellulose Nitrate  
Lacquer (ICS 87.040)

**CAN/CGSB-1.162-2004**

Emulsion Coating for Stucco and Masonry  
(ICS 87.040)

**CAN/CGSB-1.165-2004**

Cold-Curing Epoxy Primer (ICS 87.040)

**CAN/CGSB-1.171-98**

Inorganic Zinc Coating (ICS 87.040)

**CAN/CGSB-1.175-97**

Polyurethane Interior Coating (ICS 87.040)

**CAN/CGSB-1.145-97**

Teinture pigmentée à base de solvant  
(ICS 87.040)

**CAN/CGSB-1.146-99**

Revêtement aux résines époxydiques,  
durcissant à froid, brillant (ICS 87.040)

**CAN/CGSB-1.150-M91**

Vernis-laque pour meubles en bois  
(ICS 87.040)

**CAN/CGSB-1.153-2000**

Revêtement par peinture aux résines  
époxydiques, à pouvoir garnissant élevé,  
brillant (ICS 87.040)

**CAN/CGSB-1.154-M89**

Peinture-émulsion (latex) pour sols en béton  
(ICS 87.040)

**CAN/CGSB-1.158-M89**

Peinture-laque pour couche primaire, au  
nitrate de cellulose et aux résines alkydes  
modifiées (ICS 87.040)

**CAN/CGSB-1.159-92**

Produit-laque brillant à la résine acrylique et  
au nitrate de cellulose (ICS 87.040)

**CAN/CGSB-1.160-93**

Peinture-laque aux résines acryliques et au  
nitrate de cellulose, peu brillante  
(ICS 87.040)

**CAN/CGSB-1.162-2004**

Revêtement de type émulsion pour stuc et  
maçonnerie (ICS 87.040)

**CAN/CGSB-1.165-2004**

Peinture pour couche primaire aux résines  
époxydiques, durcissant à froid  
(ICS 87.040)

**CAN/CGSB-1.171-98**

Enduit au zinc minéral (ICS 87.040)

**CAN/CGSB-1.175-97**

Revêtement de polyuréthane d'intérieur  
(ICS 87.040)

**CAN/CGSB-1.176-2000**

Interior Clear Moisture-Curing Polyurethane Coating (ICS 87.040)

**CAN/CGSB-1.177-M91**

Two-Component Polyurethane Coating, Resistant to Chalking and Yellowing (ICS 87.040)

**1-GP-180Ma** (Feb 1996)

Coating, Polyurethane, Two-Package, General Purpose (ICS 87.040)

**CAN/CGSB-1.181-99**

Ready-Mixed Organic Zinc-Rich Coating (ICS 87.040)

**CAN/CGSB-1.183-99**

Zinc-Rich Epoxy Coating (ICS 87.040)

**CAN/CGSB-1.184-98**

Coal Tar-Epoxy Coating (ICS 87.040)

**CAN/CGSB-1.188-2004**

Emulsion Filler for Masonry Block (ICS 87.040)

**CAN/CGSB-1.189-2000**

Exterior Alkyd Primer for Wood (ICS 87.040)

**CAN/CGSB-1.190-M90**

Sanding Type Primer Surfacer (ICS 87.040)

**1-GP-191M** (Apr 1980)

Enamel, Automotive Refinishing, Fast Drying, Gloss (ICS 87.040)

**1-GP-192Ma** (Feb 1985)

Deck Coating, Nonslip, Epoxy (ICS 87.040)

**CAN/CGSB-1.176-2000**

Revêtement de polyuréthane, d'intérieur, durci à l'humidité, non pigmenté (ICS 87.040)

**CAN/CGSB-1.177-M91**

Revêtement de polyuréthane, à deux constituants séparés, non jaunissant et non farinant (ICS 87.040)

**1-GP-180Ma** (févr. 1996)

Revêtement de polyuréthane, à deux constituants séparés, pour utilisation générale (ICS 87.040)

**CAN/CGSB-1.181-99**

Enduit riche en zinc, organique et préparé (ICS 87.040)

**CAN/CGSB-1.183-99**

Enduit aux résines époxydiques, riche en zinc (ICS 87.040)

**CAN/CGSB-1.184-98**

Revêtement à base de goudron de houille-résines époxydiques (ICS 87.040)

**CAN/CGSB-1.188-2004**

Apprêt-émulsion pour blocs de maçonnerie (ICS 87.040)

**CAN/CGSB-1.189-2000**

Peinture d'impression, d'extérieur, aux résines alkydes, pour le bois (ICS 87.040)

**CAN/CGSB-1.190-M90**

Peinture pour couche primaire surfaçante de type ponçable (ICS 87.040)

**1-GP-191M** (avr. 1980)

Peinture-émail brillante, à séchage rapide, pour le repeinture des carrosseries de véhicules automobiles (ICS 87.040)

**1-GP-192Ma** (févr. 1985)

Revêtement de pont, antidérapant, aux résines époxydiques (ICS 87.040)

**CAN/CGSB-1.193-99**

High-Build Epoxy Marine Coating  
(ICS 87.040)

**CAN/CGSB-1.195-99**

Interior Latex Semigloss Paint (ICS 87.040)

**CAN/CGSB-1.198-2001**

Cementitious Primer for Galvanized  
Surfaces (ICS 87.040)

**1-GP-200Ma** (Jan 1985)

Deck Coating, Nonslip, Polyurethane  
(ICS 87.040)

**CAN/CGSB-1.202-2003**

Interior Alkyd Low Gloss Enamel  
(ICS 87.040)

**CAN/CGSB-1.203-2003**

Exterior Latex Wood Primer (ICS 87.040)

**CAN/CGSB-1.204-98**

Exterior Latex Pigmented Stain  
(ICS 87.040)

**CAN/CGSB-1.205-2003**

Sealer for Application to Asbestos-Fibre  
Releasing Materials (ICS 87.040)

**CAN/CGSB-1.207-98**

Low-Temperature Curing Epoxy Coating  
(ICS 87.040)

**CAN/CGSB-1.208-99**

Marine Interior Water-Borne Gloss Enamel  
(ICS 87.040)

**CAN/CGSB-1.209-2003**

Interior Latex Low Gloss Paint (ICS 87.040)

**CAN/CGSB-1.210-2003**

Quick-Drying Alkyd Primer for Structural  
Steel (ICS 87.040)

**CAN/CGSB-1.193-99**

Revêtement aux résines époxydiques, à  
pouvoir garnissant élevé, marin  
(ICS 87.040)

**CAN/CGSB-1.195-99**

Peinture-émulsion semi-brillante d'intérieur  
(ICS 87.040)

**CAN/CGSB-1.198-2001**

Peinture primaire additionnée de ciment,  
pour surfaces galvanisées (ICS 87.040)

**1-GP-200Ma** (janv. 1985)

Revêtement de pont, antidérapant, aux  
résines polyuréthannes (ICS 87.040)

**CAN/CGSB-1.202-2003**

Peinture-émail d'intérieur, aux résines  
alkydes, peu brillante (ICS 87.040)

**CAN/CGSB-1.203-2003**

Peinture-émulsion (latex) d'impression  
extérieure, pour bois (ICS 87.040)

**CAN/CGSB-1.204-98**

Teinture-émulsion pigmentée pour extérieur  
(ICS 87.040)

**CAN/CGSB-1.205-2003**

Peinture d'obturation pour matériaux  
renfermant des fibres d'amiante  
(ICS 87.040)

**CAN/CGSB-1.207-98**

Revêtement aux résines époxydiques  
durcissant à basse température  
(ICS 87.040)

**CAN/CGSB-1.208-99**

Peinture-émail brillante en suspension  
aqueuse, marine, d'intérieur (ICS 87.040)

**CAN/CGSB-1.209-2003**

Peinture-émulsion d'intérieur peu brillante  
(ICS 87.040)

**CAN/CGSB-1.210-2003**

Peinture primaire aux résines alkydes à  
séchage rapide pour acier de charpente  
(ICS 87.040)

**CAN/CGSB-1.211-95**

Coating Systems for Marine Floating Navigational Aids (Buoys) (ICS 87.040)

**CAN/CGSB-1.212-2004**

Heavy-Metal-Free Marine Primer for Steel and Light-Alloy Surfaces (ICS 87.040)

**CAN/CGSB-1.213-2004**

Etch Primer (Pretreatment Coating or Tie Coat) for Steel and Aluminum (ICS 87.040)

**CAN/CGSB-1.214-2004**

Heavy-Metal-Free, Water-Borne, Marine Primer for Steel and Light-Alloy Surfaces (ICS 87.040)

**CAN/CGSB-1.215-96**

Two-Package Epoxy Blockfiller (ICS 87.040)

**CAN/CGSB-1.216-97**

Exterior Water-Borne Gloss Enamel (ICS 87.040)

**CAN/CGSB-1.219-2001**

Lead and Chromate-Free Waterborne Traffic Paint (ICS 87.040)

**CAN/CGSB-1.220-2001**

Lead and Chromate-Free Alkyd Traffic Paint (ICS 87.040)

**CAN/CGSB-1.223-2004**

Heavy-Metal-Free, Water-Borne Wash Primer-Tie Coat (ICS 87.040)

**CAN/CGSB-1.300-2000**

Applied Coating System of Semigloss Baked Finish for Metal Office Furniture (ICS 87.040)

**CAN/CGSB-1.500-75**

Methods for Test for Toxic Trace Elements in Protective Coatings (ICS 87.040)

**CAN/CGSB-1.211-95**

Systèmes de revêtement pour aides à la navigation flottantes (bouées) (ICS 87.040)

**CAN/CGSB-1.212-2004**

Peinture primaire sans métal lourd, marine, pour surfaces en acier et en alliage léger (ICS 87.040)

**CAN/CGSB-1.213-2004**

Peinture primaire réactive (enduit de traitement préliminaire ou couche de liaison) pour l'acier et l'aluminium (ICS 87.040)

**CAN/CGSB-1.214-2004**

Peinture primaire, sans métal lourd, en suspension aqueuse, marine, pour surfaces en acier et en alliage léger (ICS 87.040)

**CAN/CGSB-1.215-96**

Apprêt pour blocs aux résines époxydiques en deux constituants (ICS 87.040)

**CAN/CGSB-1.216-97**

Peinture-émail brillante d'extérieur en suspension aqueuse (ICS 87.040)

**CAN/CGSB-1.219-2001**

Peinture à l'eau de démarcation routière sans plomb ni chromate (ICS 87.040)

**CAN/CGSB-1.220-2001**

Peinture alkyde de démarcation routière sans plomb ni chromate (ICS 87.040)

**CAN/CGSB-1.223-2004**

Peinture primaire réactive – Couche de liaison, sans métal lourd, en suspension aqueuse (ICS 87.040)

**CAN/CGSB-1.300-2000**

Système de revêtement de finition semi-brillant, cuit au four, pour meubles métalliques de bureau (ICS 87.040)

**CAN/CGSB-1.500-75**

Méthodes d'essai des éléments toxiques à l'état de trace dans les revêtements protecteurs (ICS 87.040)

**CAN/CGSB-1.501-M89**

Method for Permeance of Coated  
Wallboard (ICS 87.040)

**CAN/CGSB-1.501-M89**

Méthode de détermination de la perméance  
des panneaux muraux revêtus (ICS 87.040)



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**CAN/CGSB-1.205-2003**

Supersedes CAN/CGSB-1.205-94

# Sealer for Application to Asbestos-Fibre-Releasing Materials

ICS 87.040

National Standard of Canada

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CGSB has been accredited by the Standards Council of Canada as a national standards-development organization. The standards that it develops and offers as National Standards of Canada conform to the criteria and procedures established for this purpose by the Standards Council of Canada. In addition to standards it publishes as national standards, CGSB produces standards to meet particular needs, in response to requests from a variety of sources in both the public and private sectors. Both CGSB standards and CGSB national standards are developed in conformance with the policies described in the CGSB Policy Manual for the Development and Review of Standards.

CGSB standards are subject to review and revision to ensure that they keep abreast of technological progress. Suggestions for their improvement, which are always welcome, should be brought to the notice of the standards committees concerned. Changes to standards are issued either as separate amendment sheets or in new editions of standards.

An up-to-date listing of CGSB standards, including details on latest issues and amendments, and ordering instructions, is found in the CGSB Catalogue, which is published annually and is available without charge upon request. An electronic version, ECAT, is also available. More information is available about CGSB products and services at our Web site — [www.ongc-cgsb.gc.ca](http://www.ongc-cgsb.gc.ca).

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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## SEALER FOR APPLICATION TO ASBESTOS-FIBRE -RELEASING MATERIALS

Prepared by the  
Canadian General Standards Board 

Approved by the  
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## CANADIAN GENERAL STANDARDS BOARD

**SEALER FOR APPLICATION TO ASBESTOS-FIBRE-  
RELEASING MATERIALS****1. SCOPE**

- 1.1 This standard applies to a sealer used to prevent the release of asbestos fibres from asbestos-containing materials. This sealer is not suitable for highly friable materials.<sup>1</sup>
- 1.2 This standard helps the user to select a specific type and class of sealer, described in par. 3.1. It does not address concerns about any change in properties or characteristics of the material, including fire resistance, that could be attributed to the sealing process, nor does it address the decision of whether or not to use a sealer.
- 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 applicable regulatory requirements prior to its use.

**2. REFERENCED PUBLICATIONS**

- 2.1 The following publications are referenced in this standard:
  - 2.1.1 Canadian General Standards Board (CGSB)  
CAN/CGSB-1.57 — Interior Alkyd Semigloss Enamel  
1-GP-71 — Methods of Testing Paints and Pigments  
CAN/CGSB-1.195 — Interior Latex Semigloss Paint.
  - 2.1.2 Health Canada  
Surface Coating Materials Regulations  
Consumer Chemicals and Containers Regulations, 2001  
Controlled Products Regulations (WHMIS)<sup>2</sup>.
  - 2.1.3 Underwriters' Laboratories of Canada (ULC)  
CAN/ULC-S102 — Surface Burning Characteristics of Building Materials and Assemblies.
  - 2.1.4 ASTM International  
E 96 — Standard Test Methods for Water Vapor Transmission of Materials.
- 2.2 A dated reference in this standard is to the issue specified. An undated reference in this standard is to the latest issue, unless otherwise specified by the authority applying this standard. The sources are given in the Notes section.

<sup>1</sup> It is the responsibility of the user to determine whether the material is friable or highly friable as this standard is only intended to define the quality requirements for the sealer.

<sup>2</sup> WHMIS: Workplace Hazardous Materials Information System.

### 3. CLASSIFICATION

3.1 The sealer shall be supplied in the following types and classes, as specified (par. 8.1):

#### 3.1.1 *Types*

Type 1 — Penetrating

Type 2 — Surface-film-forming.

#### 3.1.2 *Classes*

Class A — Water-based

Class B — Solvent-based.

### 4. GENERAL REQUIREMENTS

4.1 The sealer shall be capable of preventing the release of fibres from friable asbestos-containing surfaces.

4.2 The sealer shall be suitable for application with spray equipment when reduced, in accordance with the manufacturer's instructions. It shall readily mix to a uniform consistency by stirring.

4.3 When stored at temperatures between 5 and 40°C the sealer shall not skin, gel, thicken excessively or cake in the original unopened container for one year from date of shipment. At the end of this time, it shall be readily mixed to a uniform consistency by stirring and shall meet the requirements for applicability and appearance (par. 5.8). The container shall not show signs of deterioration or rust, except around the rim where some rust is permissible.

4.4 The sealer shall not have any objectionable odour.

4.5 **Toxic Elements** — This paint shall conform to the requirements of the *Surface Coating Materials Regulations*, the *Consumer Chemicals and Containers Regulations*, 2001, and the *Controlled Products Regulations* (WHMIS), for designated toxic elements.

### 5. DETAILED REQUIREMENTS

The sealer shall comply with the following detailed requirements when tested in accordance with the specified test methods.

5.1 **Non-volatile Matter** — The non-volatile matter content of the sealer shall not be less than 45% by mass when tested in accordance with CGSB standard 1-GP-71, Method 17.1.

5.2 **Surface Burning Characteristics** — When applied to reinforced, inorganic cement-board to the required thickness ( $500 \pm 50 \mu\text{m}$ ), the sealer shall have a maximum flame spread classification of 25 and a maximum value of 50 for the smoke developed when tested in accordance with par. 7.2.1.

5.3 **Water Vapour Permeance** — A  $75 \pm 5 \mu\text{m}$  dry film thickness of the sealer shall have a water vapour permeance of not less than 9.0 perms when tested in accordance with par. 7.2.2.

5.4 **Impact Resistance** — When subjected to direct impact, the energy required to cause 15 mm penetration into the test matrix shall, for both types, increase at least 100% above that needed to penetrate the unsealed matrix when tested in accordance with par. 7.2.3. For Type 2 sealers only, the film shall not flake or crack around the impact area.

5.5 **Penetration Depth** (Type 1 only) — Upon spray application, the sealer shall penetrate the fibrous matrix to a depth not less than 15 mm. After water immersion, the sealer shall not show undue softening when tested in accordance with par. 7.2.4.

5.6 **Surface Film-Forming Property** (Type 2 only) — The sealer shall spray evenly over the entire surface of the fibreglass cloth mat and shall fill all the voids when tested in accordance with par. 7.2.5.

5.7 **Flexibility** — A  $75 \pm 5 \mu\text{m}$  dry film thickness of the sealer shall show no cracking when subjected to the bending test at 23°C, using a 3.2 mm mandrel in accordance with CGSB standard 1-GP-71, Method 119.5. After bending, the film shall be examined under 10X magnification.

- 5.8 **Applicability and Appearance** — When applied by spraying, the sealer shall comply with the following requirements when tested in accordance with par. 7.2.6.
- 5.8.1 It shall have satisfactory drying time, and there shall be no lifting, wrinkling, lack of uniformity or other film defects.
- 5.8.2 The enamel conforming to CAN/CGSB-1.57 or CAN/CGSB-1.195 applied over the sealed wallboard shall be uniform in appearance. There shall not be any significant difference in gloss between the first and second coats of enamel.
- 5.9 **Resistance to Accelerated Aging** — After ten complete cycles, each consisting of exposure first to a temperature of  $23 \pm 2^\circ\text{C}$  for 24 h and then  $70 \pm 2^\circ\text{C}$  for 24 h, the dried sealer film shall show no visible defects and shall comply with the requirements for flexibility (par. 5.7) when tested in accordance with par. 7.2.7.

## 6. PREPARATION FOR DELIVERY

- 6.1 Unless otherwise specified (par. 8.1), preparation for delivery shall conform to normal commercial practice.
- 6.2 **Labelling** — In addition to complying with labelling requirements of any relevant Acts or Regulations, each container shall be suitably labelled to show the following information:
- Type and class of sealer
  - Standard number: CAN/CGSB-1.205-2003
  - Manufacturer's name and address
  - Manufacturer's batch number
  - Manufacturer's code number
  - Date of manufacture
  - Percent solids by volume
  - Instructions for use:
    - Thinning instructions for spraying
  - Coverage rate for sealer to meet the requirements of this standard
  - Cautionary notes:
    - The sealer should not be intermixed with other paints without prior approval of the manufacturer,
    - Class A sealer should be kept from freezing.

## 7. INSPECTION

- 7.1 **Sampling** — Sampling shall be carried out in accordance with CGSB standard 1-GP-71, Method 1.1.
- 7.2 **Testing**
- 7.2.1 **Surface Burning Characteristics** — For test panels, use reinforced inorganic cement-board, at least 4.5 mm thick. Spray sealer on the board to the dry film thickness required to conform to the requirements of the impact test (par. 5.4) or to obtain a minimum dry film thickness of  $500 \pm 50 \mu\text{m}$ , whichever is greater. After application of the sealer, test the sealed reinforced inorganic cement-board in accordance with CAN/ULC-S102 and calculate the flame spread classification rating. Testing requirements, as described, relate to the material (sealer) for which classification is required and not to the assembly.
- 7.2.2 **Water Vapour Permeance** — Prepare a free film for measuring water vapour permeance as follows: Use a Gardner Mechanical Drive equipped with a perforated metal plate in the application of the coating to release paper #RPIK. Place a sheet of white bond paper on the metal plate while a vacuum is being applied. Smooth the sheet, apply tape on three sides, and place a second sheet on the first. Two sheets of bond paper are normally required to prevent the formation of dimples at the perforations in the plate. While the vacuum is still being applied, roll the release paper onto the paper with firm pressure on the roll to reduce wrinkle formation. Finally, make the release paper completely smooth by wiping it with a tissue. Apply the coating on the release paper with the doctor blade mechanically driven

at a uniform speed to provide a dry film thickness of  $75 \pm 5 \mu\text{m}$ . When the blade clears the end of the release paper, release the vacuum and transfer the coated release paper (together with the second bond sheet) to a piece of hardboard kept level to prevent flow of the wet coating. Place the board in a conditioned room maintained at  $23 \pm 2^\circ\text{C}$  and  $50 \pm 5\%$  RH for 7 d. Then obtain the free film by amalgamating the release paper substrate. After stripping, place the film on a sheet of waxed paper with the original upper surface facing down and allow to dry for an additional two days. Determine the water vapour permeance of the free film in accordance with ASTM E 96, Procedure B.

- 7.2.3 **Impact Resistance** — Perform the test on the Gardner Variable Impact Tester with the sample holder and anvil removed. Place the mineral wool fibre test matrix<sup>3</sup> directly under the impacter and determine the impact in joules required for the impacter to penetrate 15 mm into the test matrix. The density of the test matrix shall be such that the impact is  $1.0 \pm 0.2 \text{ J}$ . Apply the sealer to three panels of this test matrix to achieve with Type 1 sealer a penetration of at least 15 mm and, with Type 2 sealer a dry-film thickness of  $500 \pm 50 \mu\text{m}$  or in accordance with the manufacturer's instructions, whichever is greater. Determine the impact energy required to cause 15 mm penetration at each of five locations on each panel. Discard divergent values and calculate the mean percent increase in energy over that of the test matrix alone. After testing the sealed test-matrix, examine the impact areas for any flaking and cracking of Type 2 sealers.
- 7.2.4 **Penetration Depth** — Apply Type 1 sealer by spray to mineral wool panels at the same coverage required to meet the impact resistance test (par. 7.2.3). After a 7 d minimum drying period, take two core samples with a large cork borer and place into vials of the appropriate size (slightly larger in diameter and taller than the core samples). Add water to the vials until full, cap the vials and allow them to stand at ambient temperature for 24 h. Remove the samples from the vials and measure the penetration of the sealer into the mineral wool, noting the demarcation line between the soft wet insulation and the solid, non-friable sealed insulation. Examine the sealer in the core sample for excessive softening. See also par. 8.2.3.
- 7.2.5 **Surface Film Forming Property** — Spray Type 2 sealer onto a 1.5 mm fibreglass cloth mat backed by fibreglass insulation to the dry-film thickness used in par. 7.2.3. After allowing the fibreglass cloth mat to dry for 48 h at  $23 \pm 2^\circ\text{C}$  and  $50 \pm 5\%$  RH, examine the surface to determine if the voids are filled.
- 7.2.6 **Applicability and Appearance** — Mount a  $1.2 \times 1.2 \text{ m}$  panel of laminated fibreboard or of cream-faced gypsum plasterboard vertically. Spray a coat of the sealer at a wet film thickness of  $150 \pm 10 \mu\text{m}$  on the entire face of the panel. Allow the plasterboard to dry 16 h and examine the applied area for conformance to the requirements in par. 5.8.1. Immediately after the examination, brush a coat of white semigloss enamel conforming to CAN/CGSB-1.57 on the entire face of the panel. Cross brush the whole panel using diagonal strokes and finish off with light horizontal strokes. At the end of 24 h, brush a second coat of enamel on the lower half of the panel. After 24 h drying, examine the panel again for conformance to the requirements in par. 5.8.2.
- 7.2.7 **Resistance to Accelerated Aging** — Prepare coated panels in accordance with par. 5.7. Then subject the panels to ten complete cycles, each cycle consisting of exposure first to a temperature of  $23 \pm 2^\circ\text{C}$  for 24 h, followed by a temperature of  $70 \pm 2^\circ\text{C}$  for 24 h. Examine the film for any visible defects and subject the panels to the flexibility test.

## 8. NOTES

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

- a. Type and class (par. 3.1)
- b. Preparation for delivery, if other than as specified (par. 6.1).

## 8.2 Recommended Practice

- 8.2.1 The sealer should be applied in accordance with the safety regulations of the authority having jurisdiction. The use of Class B sealer requires additional precautions to meet the safety and health regulations of the authority having jurisdiction.

<sup>3</sup> Type D-C/F (Cafco Products Ltd., Etobicoke, Ont.) and A/D Type FP (Double A/D Distributors Ltd., Toronto, Ont.) have been found satisfactory for this test.

8.2.2 The surface burning characteristics test is carried out on reinforced inorganic cement-board under controlled laboratory conditions. The test results may differ in the field because of wide variations in the conditions of the installation.

8.2.3 The penetration test for Type 1 sealer is carried out under controlled laboratory conditions. Because of the product construction, adequate field inspections are recommended to ensure resin penetration.

### 8.3 Sources of Referenced Publications

8.3.1 The publications referred to in par. 2.1.1 may be obtained from the Canadian General Standards Board, Sales Centre, Gatineau, Canada K1A 1G6. Telephone (819) 956-0425 or 1-800-665-2472. Fax (819) 956-5644.

8.3.2 The publication referred to in par. 2.1.2 may be obtained from Health Canada, Consumer Product Safety Bureau, MacDonald Building, 4th Floor, 123 Slater Street, Ottawa, Ontario K1A 1B9. Telephone (613) 954-0104. Fax (613) 952-1994.

8.3.3 The publication referred to in par. 2.1.3 may be obtained from the Underwriters' Laboratories of Canada, 7 Crouse Road, Scarborough, Ontario, M1R 3A9.

8.3.4 The publication referred to in par. 2.1.4 may be obtained from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, U.S.A., or from IHS Canada, 1 Antares Drive, Suite 200, Ottawa, Canada K2E 8C4. Telephone (613) 237-4250 or 1-800-267-8220. Fax (613) 237-4251.



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