



Government  
of Canada

Gouvernement  
du Canada

Canadian General  
Standards Board    Office des normes  
générales du Canada

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These CGSB standards and National Standards of Canada are hereby withdrawn due to limited use and support for their revision.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 The information contained therein may no longer represent the most current, reliable, and/or available information on these subjects.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

Canada

Experience and excellence

Expérience et excellence

CGSB  
ONGC

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 polyuréthanes (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'amiant  
(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)



Canadian  
General  
Standards  
Board

**CAN/CGSB-1.204-98**

Supersedes CAN/CGSB-1.204-92

## **Exterior Latex Pigmented Stain**

**National Standard of Canada**

**Canada**



The CANADIAN GENERAL STANDARDS BOARD (CGSB), under whose auspices this National Standard of Canada has been developed is a government agency within Public Works and Government Services Canada. CGSB is engaged in the production of voluntary standards in a wide range of subject areas through the media of standards committees and the consensus process. The standards committees are composed of representatives of relevant interests including producers, consumers and other users, retailers, governments, educational institutions, technical, professional and trade societies, and research and testing organizations. Any given standard is developed on the consensus of views expressed by such representatives.

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 Maintenance 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. Running on the Windows platform, it is updated quarterly. More information is available about CGSB products and services at our Web site — <http://w3.pwgsc.gc.ca/cgsb>.

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.

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. CGSB neither assumes nor accepts any responsibility for any injury or damage that may occur during or as the result of tests, wherever performed.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. CGSB shall not be held responsible for identifying any or all such patent rights. Users of this standard are expressly advised that determination of the validity of any such patent rights are entirely their own responsibility.

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

The Manager  
Standardization Information Division  
Canadian General Standards Board  
Ottawa, Canada  
K1A 1G6

The STANDARDS COUNCIL OF CANADA is the co-ordinating body of the National Standards System, a federation of independent, autonomous organizations working towards the further development and improvement of voluntary standardization in the national interest.

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.

Approval of a standard as a National Standard of Canada indicates that a standard conforms to the criteria and procedures established by the Standards Council of Canada. Approval does not refer to the technical content of the standard; this remains the continuing responsibility of the accredited standards-development organization.

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  
45 O'Connor Street  
Suite 1200  
Ottawa, Ontario  
K1P 6N7

## How to order CGSB Publications:

- by telephone — (819) 956-0425 or  
— 1-800-665-CGSB  
(Canada only)
- by fax — (819) 956-5644
- by mail — CGSB Sales Centre  
Ottawa, Canada  
K1A 1G6
- in person — Place du Portage  
Phase III, 6B1  
11 Laurier Street  
Hull, Quebec
- by email — [cgsb@piper.pwgsc.gc.ca](mailto:cgsb@piper.pwgsc.gc.ca)
- on the Web — <http://w3.pwgsc.gc.ca/cgsb>

## EXTERIOR LATEX PIGMENTED STAIN

Prepared by the

Canadian General Standards Board 

Approved by the

Standards Council of Canada 

Published October 1998 by the  
**Canadian General Standards Board**  
Ottawa, Canada K1A 1G6

©Minister of Public Works and Government Services Canada — 1998

No part of this publication may be reproduced in any form without the prior permission of the publisher.

CANADIAN GENERAL STANDARDS BOARD

COMMITTEE ON CONSTRUCTION AND MAINTENANCE COATINGS

(Membership at date of approval)

|                 |                    |                                                              |
|-----------------|--------------------|--------------------------------------------------------------|
| Benner, H.J.    | <i>Chairperson</i> | Lanark Coating Services Ltd.                                 |
| Abel, B.        |                    | ORTECH                                                       |
| Alvarez, E.     |                    | National Defence                                             |
| Araujo, T.      |                    | Triodem Technical Services Ltd.                              |
| Bailey, J.      |                    | Rohm & Haas Canada Inc.                                      |
| Balmer, S.R.    |                    | ICI Paints (Canada) Inc.                                     |
| Braund, V.      |                    | General Paint Ltd.                                           |
| Cochrane, A.J.  |                    | Matchless Paints                                             |
| Craan, A.G.     |                    | Health Canada                                                |
| Desbiens, Y.    |                    | Stablex                                                      |
| Dunbar, T.      |                    | Public Works and Government Services Canada                  |
| Hamill, I.      |                    | ICI Paints (Canada) Inc.                                     |
| Lavoie, L.      |                    | Home Hardware Stores Ltd.                                    |
| Mills, G.       |                    | Mills Paint and Wallcoverings                                |
| Mocnaj, R.      |                    | International Paints (Canada) Ltd.                           |
| Patterson, W.J. |                    | HCI Stanchem                                                 |
| Philips, N.     |                    | National Defence                                             |
| Raine, R.       |                    | Ministry of Transportation and Highways, British Columbia    |
| Simpson, G.     |                    | Sico Inc.                                                    |
| Wiezoreck, G.   |                    | Master Painters & Decorators Association of British Columbia |
| Williams, R.    |                    | The Sherwin-Williams Co.                                     |
| Craig, W.       | <i>Secretary</i>   | Canadian General Standards Board                             |

Acknowledgment is made for the translation of this National Standard of Canada by the Translation Bureau of Public Works and Government Services Canada.

## CANADIAN GENERAL STANDARDS BOARD

**EXTERIOR LATEX PIGMENTED STAIN****1. SCOPE**

- 1.1 This standard applies to a pigmented opaque, latex stain for exterior use on unpainted or previously stained wood.
- 1.2 This stain is intended for use as a decorative and protective finish. The stain hides the colour of the wood but the texture of its grain should be apparent.
- 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)
    - 1-GP-71 — Methods of Testing Paints and Pigments
    - 1-GP-189 — Primer, Alkyd, Wood, Exterior
    - CAN/CGSB-1.203 — Exterior Latex Wood Primer.
  - 2.1.2 Health Canada
    - Hazardous Products (Liquid Coating Materials) Regulations.
  - 2.1.3 American Society for Testing and Materials (ASTM)
    - D 1210 — Standard Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage
    - D 3960 — Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings
    - D 4587 — Standard Practice for Conducting Tests on Paint and Related Coatings and Materials Using a Fluorescent UV-Condensation Light and Water-Exposure Apparatus.
  - 2.1.4 General Services Administration
    - U.S. Federal Standard
    - 595B — Colors Used in Government Procurement.
- 2.2 A reference to a regulation is always to the latest issue. A dated reference is to the issue specified. An undated reference is to the latest issue, unless otherwise specified by the authority applying this standard. The sources are given in the Notes section.

**3. GENERAL REQUIREMENTS**

- 3.1 The stain shall consist of suitable pigment mixtures adequately dispersed in a latex vehicle.
- 3.2 The stain, as supplied, shall be suitable for brushing and roller coating and shall be satisfactory for spraying when reduced with water in accordance with the manufacturer's instructions.

- 3.3 The stain shall not skin, thicken excessively or cake in the original unopened container for one year from the date of shipment when stored at temperatures between 5° and 40°C. At the end of this time it shall be capable of being readily mixed to a uniform condition by stirring. The container shall not show signs of deterioration or rust, except around the rim where some rust is permissible.
- 3.4 **Colour** — The stain shall be an approximate match to the U.S. Federal Standard 595B or to an adequately defined commercial colour, as specified (par. 7.1).
- 3.5 **Toxic Elements** — The paint shall be manufactured in accordance with the requirements of the Hazardous Products (Liquid Coating Materials) Regulations for designated toxic elements.

#### 4. DETAILED REQUIREMENTS

The stain shall comply with the following detailed requirements when tested in accordance with the specified test method:

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      | Test Method     |                         |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----------------|-------------------------|
|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Min. | Max. | CGSB<br>1-GP-71 | ASTM                    |
| 4.1      | Consistency, Krebs units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 55   | —    | 4.5             | —                       |
| 4.2      | Drying time, dry hard, h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | —    | 4    | 5               | —                       |
| Method A |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |      |                 |                         |
| 4.3      | 60° gloss, units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | —    | 10   | 13.1            | —                       |
| 4.4      | Fineness of grind, Hegman units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3    | —    | —               | D 1210                  |
| 4.5      | Volatile Organic Compound (VOC), g/L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | —    | 250  | —               | D 3960<br>(Par. 10.2.1) |
| 4.6      | <b>Sensitivity to Water</b> — When dried for 2 h, then exposed to a fog condition for 1 h, the film shall not show any blistering, loss of adhesion or any evidence of disintegration when tested in accordance with par. 6.2.1.                                                                                                                                                                                                                                                                                                                                                                      |      |      |                 |                         |
| 4.7      | <b>Shower Resistance</b> — When exposed to a continuous water spray for 5 min, the material, which has dried for 2 h, shall show no sign of being washed off the panels when tested in accordance with CGSB standard 1-GP-71, Method 110.11. <sup>1</sup>                                                                                                                                                                                                                                                                                                                                             |      |      |                 |                         |
| 4.8      | <b>Flexibility</b> — The dried film shall not crack or peel when subjected to the bending test at 0°C using a 6.4 mm mandrel in accordance with CGSB standard 1-GP-71, Method 119.4.                                                                                                                                                                                                                                                                                                                                                                                                                  |      |      |                 |                         |
| 4.9      | <b>Accelerated Weathering Resistance</b> — The dried film shall not show more than No. 8 ASTM chalking when examined in accordance with ASTM D 659 and par. 6.2.2. The film shall also show no checking, cracking or appreciable colour change when tested in accordance with par. 6.2.2.                                                                                                                                                                                                                                                                                                             |      |      |                 |                         |
| 4.10     | <b>Scrubability</b> — A film of the stain applied to Leneta panels, form P-121-10N and allowed to dry 7 d shall withstand 2000 cycles of scrubbing without exposing the contrasting colour of the undercoat to a total length of more than 13 mm in the direction of the stroke when tested in accordance with CGSB standard 1-GP-71, Method 125.2 (except that no primer shall be used).                                                                                                                                                                                                             |      |      |                 |                         |
| 4.11     | <b>Applicability and Appearance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |      |                 |                         |
| 4.11.1   | <b>Douglas Fir Plywood Panels</b> — When applied by brush and roller as specified, the stain shall have good consistency, brushing, rolling and levelling properties with no sagging or coarse particles in the dry film. It shall not have an objectionable odour and shall have a satisfactory recoating and drying time. There shall be a minimum of foaming during roller application with no signs of craters or bubbles in the dry film when tested in accordance with CGSB standard 1-GP-71, Method 134.12 excluding application of the topcoat. The grain on the plywood shall not be hidden. |      |      |                 |                         |

<sup>1</sup> The dry film thickness on these test panels shall be 25 ± 0.3 µm.

## 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
  - Standard number: CAN/CGSB-1.204-98
  - U. S. Federal standard 595B colour and number or a suitably defined commercial colour
  - Manufacturer's name and address
  - Manufacturer's batch number
  - Manufacturer's code number (if applicable)
  - Date of manufacture
  - Thinning instruction (with water) for spraying
  - CAUTIONARY NOTE** indicating that the material should be kept from freezing.

## 6. INSPECTION

- 6.1 **Sampling** — Sampling shall be carried out in accordance with CGSB standard 1-GP-71, Method 1.1.
- 6.2 **Testing**
- 6.2.1 **Sensitivity to Water** — Sand two white pine panels, 125 × 225 × 20 mm and apply by brush (CGSB 1-GP-71, Method 97.2) one coat of primer (1-GP-189 or CAN/CGSB-1.203). Apply one coat of the stain under test to the surface of the primed panels and allow to dry for 2 h (CGSB 1-GP-71, Method 103.1). Expose the panels for 1 h at 23 ± 2°C, at approximately 60° to the horizontal, to a fog created by six fog nozzles (Monarch H-261, No. 300 size, 120° spray angle) placed at 450 mm centres, to form a rectangle 1.2 m above the panels, and mounted on a 0.9 × 1.2 m copper frame. The nozzles are connected to a waterline operating at 400–430 kPa to produce a steady light drizzle. Each nozzle shall deliver 5.7 ± 0.5 L/h of water. Immediately after exposure remove the panels and examine for blistering, loss of adhesion or any other evidence of deterioration. Loss of adhesion is determined by rubbing with the index finger using a medium pressure across the face of the panel and examining for complete removal.
- 6.2.2 **Accelerated Weathering Resistance** — Apply two coats of the stain to each of two wooden panels. Test in accordance with ASTM D 4587 and CGSB standard 1-GP-71, Method 122.19 using UVA 340 lamps. The operating cycle shall be 4 h UV at 60°C followed by 4 h of condensation at 50°C for a duration of 15 d.

## 7. NOTES

- 7.1 **Options** — The following options must be specified in the application of this standard:
- a. Colour (par. 3.4)
  - b. Preparation for delivery, if other than as specified (par. 5.1).
- 7.2 **Recommended Practice**
- 7.2.1 Two coats of stain, reduced with water for spraying if required by the manufacturer's instructions, should be applied to bare wood. The stain may also be used as an overcoat on previously stained wood.
- 7.2.2 The stain may not prevent wood stain bleeding. For this reason the use of light colours may not be desirable. If bleeding is a problem, use a stain blocker followed by a stain conforming to CAN/CGSB-1.145. If in doubt consult the manufacturer's instructions. The problem may also be addressed by using a paint system of primer conforming to CGSB standard 1-GP-189 or an exterior primer conforming to CAN/CGSB-1.203 followed by a topcoat conforming to CAN/CGSB-1.138.

7.3 **Storage** — The stain is best stored at temperatures between 5° and 40°C, and should not be allowed to attain temperatures over 50°C or be subjected to freezing. Stain that has been frozen should be checked before use.

7.4 **Related Publications**

7.4.1 Canadian General Standards Board (CGSB)

CAN/CGSB-1.138 — Exterior Latex Flat Paint

CAN/CGSB-1.145 — Solvent-Based Pigmented Stain.

7.4.2 U.S. General Services Administration

Federal Standard

TT-S-001992 — Stain, Latex, Exterior for Wood Surfaces.

7.5 **Sources of Referenced Publications**

7.5.1 The publications referred to in par. 2.1.1 and 7.4.1 may be obtained from the Canadian General Standards Board, Sales Centre, Ottawa, Canada K1A 1G6. Telephone (819) 956-0425 or 1-800-665-CGSB (Canada only). Fax (819) 956-5644.

7.5.2 The publication referred to in par. 2.1.2 may be obtained from Health Canada, Products Safety Bureau, Statistics Canada Main Building, Room 1000, Tunney's Pasture, Ottawa, Ontario. Telephone (613) 952-9191.

7.5.3 The publications referred to in par. 2.1.3 may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, U.S.A. or from the Global Info Centre Canada, 240 Catherine Street, Suite 305, Ottawa, Ontario K2P 2G8. Telephone (613) 237-4250 or (800) 854-7179. Fax (613) 237-4251.

7.5.4 The publications referred to in par. 2.1.4 and par. 7.4.2 may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

---