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These CGSB standards and National Standards of Canada are hereby withdrawn due to limited use and support for their revision.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

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Archived copies of withdrawn standards for historic or archival purposes are still available from the CGSB Sales Centre by telephone at 819-956-0425 or 1-800-665-2472, by fax at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

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/, par courriel à 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

Low Flash Petroleum Spirits Thinner (ICS 87.040)

CAN/CGSB-1.5-M91

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

CAN/CGSB-1.28-98

Exterior Alkyd House Paint (ICS 87.040)

CAN/CGSB-1.28-98

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

CAN/CGSB-1.36-97

General Purpose Interior Alkyd Varnish (ICS 87.040)

CAN/CGSB-1.36-97

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CAN/CGSB-1.38-2000

Interior Enamel Undercoater (ICS 87.040)

CAN/CGSB-1.38-2000

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

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Anticorrosive Structural Steel Alkyd Primer (ICS87.040)

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

Interior Alkyd Semigloss Enamel (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

Alkyd Exterior Gloss Enamel (ICS 87.040)

CAN/CGSB-1.59-97

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

CAN/CGSB-1.60-97

Interior Alkyd Gloss Enamel (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-1.88-92

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

CAN/CGSB-1.100-99

Interior Flat Latex Paint (ICS 87.040)

CAN/CGSB-1.100-99

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CAN/CGSB-1.104-M91

Semigloss Alkyd Air Drying and Baking Enamel (ICS 87.040)

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CAN/CGSB-1.105-M91

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CAN/CGSB-1.105-M91

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CAN/CGSB-1.114-M91

Quick-Drying Flat Enamel (ICS 87.040)

CAN/CGSB-1.114-M91

Peinture-émail mate à séchage rapide (ICS 87.040)

CAN/CGSB-1.118-95

Interior Flat Alkyd Finish (ICS 87.040)

CAN/CGSB-1.118-95

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CAN/CGSB-1.119-2000

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CAN/CGSB-1.119-2000

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

CAN/CGSB-1.122-99

Anticorrosive Vinyl Primer (ICS 87.040)

CAN/CGSB-1.122-99

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

CAN/CGSB-1.132-M90

Zinc Chromate Primer, Low Moisture Sensitivity (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

Flat Alkyd Enamel for Equipment (ICS 87.040)

CAN/CGSB-1.135-99

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

CAN/CGSB-1.138-97

Exterior Latex Flat Paint (ICS 87.040)

CAN/CGSB-1.138-97

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

CAN/CGSB-1.143-98

Silicone Alkyd Heat-Resistant Aluminum Enamel (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

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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 polyuréthanne, 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 repeinturage 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

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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

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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)

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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-1.57-2003

Supersedes CAN/CGSB-1.57-96

Interior Alkyd Semigloss Enamel

ICS 87.040

National Standard of Canada

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CAN/CGSB-1.57-2003

Supersedes CAN/CGSB-1.57-96

Interior Alkyd Semigloss Enamel

ICS 87.040

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Committee List
English

In the English Copy, of the originals provided to the Printers, the "Committee List" page was not aligned. The "Committee List" will be corrected and the new page will be inserted in the originals replacing the old ones.
M.S 2003-10-15.

National Standard of Canada

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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 Review of Standards.

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

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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.

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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
270 Albert Street
Suite 200
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K1P 6N7

NATIONAL STANDARD OF CANADA

CAN/CGSB-1.57-2003

Supersedes CAN/CGSB-1.57-96

INTERIOR ALKYD SEMIGLOSS ENAMEL

Prepared by the
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Standards Council of Canada

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Buchanan, I.		Buchanan Consulting
Currie, C.		Home Hardware Stores Ltd.
Graham, C.		Triodem Technical Services Ltd.
Hood, S.		Bodycote ORTECH Inc.
Janssen, M.		National Defence
Korpan, M.		Health Canada
Lidstone, S.		International Paints (A division of Akzo Nobel Coatings Ltd.)
Mills, G.		Mills Paint and Wallcoverings
Patterson, J.		Precision 2000 Ltd.
Philipp, H.		Consultant
Raine, R.		Trans Canada Coatings Consultants Ltd.
Simpson, G.		Sico Inc.
Toniello, J.		National Defence
Wiezoreck, G.		Independant Painting Industry Consultants
Williams, R.		Sherwin-Williams Co.
Craig, W.	*Secretary*	Canadian General Standards Board

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CANADIAN GENERAL STANDARDS BOARD

INTERIOR ALKYD SEMIGLOSS ENAMEL

1. SCOPE

1.1 This standard applies to ready-mixed, semigloss enamel suitable for use on primed, sealed or previously painted nonporous interior surfaces, with the exception of floors.

1.2 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-1.4 — Thinner, Petroleum Spirits

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

CAN/CGSB-1.100 — Interior Flat Latex Paint

CAN/CGSB-1.119 — Interior Latex Primer-Sealer

22.1 — Flat Hog-Bristle Brushes for Paint, Varnish, Enamel and Lacquer

22.8 — Flat Brushes with Nylon or Polyester Filaments for Paint, Varnish, Enamel and Lacquer.

2.1.2 Health Canada

Surface Coating Materials Regulations

Consumer Chemicals and Containers Regulations, 2001

Controlled Products Regulations (WHMIS)[1].

2.1.3 ASTM International

D 1210 — Standard Test Method for Fineness of Dispersion of Pigment-Vehicle Systems by Hegman-Type Gage

D 2486 — Standard Test Methods for Scrub Resistance of Wall Paints.

2.1.4 U.S. General Services Administration

U.S. Federal Standard

595B — Colours Used in Government Procurement.

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.

3. GENERAL REQUIREMENTS

3.1 The enamel shall consist of a suitable pigment mixture adequately milled with an alkyd resin vehicle, together with the necessary thinners and driers.

[1] *WHMIS: Workplace Hazardous Materials Information System.*

3.2 The enamel shall be suitable for application by brush or roller, and shall be satisfactory for spraying when reduced with thinner conforming to CAN/CGSB-1.4 in accordance with the manufacturer's instructions.

3.3 The enamel shall have good flowing and brushing properties and shall dry to a uniform appearance without streaking, running or sagging.

3.4 The enamel shall not have a disagreeable odour during or after application.

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

3.6 **Colour** — The enamel shall be supplied in any of the semigloss colours of U.S. Federal Standard 595B or in an adequately defined commercial colour, as specified (par. 7.1). Medium and dark colours may burnish due to a lower abrasion resistance.

3.7 **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.

4. DETAILED REQUIREMENTS

The enamel 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	70	—	4.5	—
4.3	Drying time, dry-hard, h	—	18	5, Method A	—
4.4	Gloss, Gloss units at 60°	35	60	13.2	—
4.5	Hiding power, m^2/L	9	—	14.1	—
4.6	Fineness of grind, Hegman	5	—	—	D 1210

4.7 **Flexibility** — When tested in accordance with CGSB standard 1-GP-71, Methods 119.1 and 119.5 at 23°C using a mandrell with a 12.7 mm diameter, the dried enamel film shall show no cracking or peeling.

4.8 **Colour Retention, White Enamel** — After exposure to ammonia fumes for 2 h, the colour change (ΔE) of the dried white enamel film shall not be greater than 4.5 when tested in accordance with CGSB standard 1-GP-71, Method 120.2.

4.9 **Scrubbability** — After drying 14 d, the enamel shall withstand 1000 cycles of scrubbing without a change of more than 30% of its gloss measured just before being tested in accordance with CGSB standard 1-GP-71, Method 125.1 and par. 6.2.1.

4.10 **Applicability and Appearance** — A test panel shall be prepared as outlined in par. 6.2.2. There shall be no runs, sags or coarse particles. When viewed from 1.5 m, the dried film shall not contain craters or bubbles. The finish shall be uniform in texture, gloss and colour, and the black "X" should not be discernible.

4.11 **Skinning Properties** — The enamel shall be non-skinning when tested in accordance with CGSB standard 1-GP-71, Method 10.1.

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 or Regulations, each container shall be suitably labelled to show the following information:

Name of material

Standard number: CAN/CGSB-1.57-2003

Colour and number

Manufacturer's name and address

Manufacturer's batch number

Manufacturer's code number

Date of manufacture

Instructions for use:

— Thinning.

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 ***Scrubbability*** — Use unprimed Leneta Panels form P-121-10N (see ASTM D 2486), held in place on a glass plate in the washability machine. Twenty-four hours before the test, protect both ends of the test panel, for a distance of 110 mm, with a coat of commercial varnish.

6.2.2 ***Applicability and Appearance*** — Mount a 1.2 × 1.2 m panel of gypsum plasterboard vertically. Using a roller or spray application to eliminate brush marks, apply a coat of primer–sealer (CAN/CGSB-1.119) that has been tinted to the colour Grey 36373 of U.S. Federal Standard 595B. After the panel has dried for 2 h, brush on a coat of flat black latex paint (CAN/CGSB-1.100) to form an "X" from corner to corner, with arms approximately 150 mm wide, the edges staggered and feathered. Allow the panel to dry 24 h.

Wet out the paint onto a 190 mm roller having a nap length of 5 mm. Using the wetted roller, apply the paint to the entire face of the panel. Note the ease of rolling and the foaming characteristics. Allow the panel to dry 18 h. Apply a second coat of the paint by spray to the left half of the panel. Note the spraying characteristics. To the right half of the panel, brush a 100 mm wide band around the perimeter using a 75 mm wide brush conforming to CGSB specification 22.1 or 22.8. Note the brushing characteristics. Five minutes after completion of the brush coat, apply a coat by roller to the right half of the panel, overlapping the sprayed and brushed coats by approximately 50 mm. After drying 24 h, examine the panel.

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 **Recommended Practice**

7.2.1 Previously painted walls and woodwork should be dry, clean, and free from dirt, grease or loose paint. The enamel should not be used over glue sizing, kalsomine or wallpaper, all of which should be removed. Surfaces that have been sanded should be primed, and surfaces that have been repaired should be sealed before finishing; otherwise, proper holdout will not be obtained, resulting in a non-uniform finish. Shellac should not be used for spot-priming over patched areas. It should be noted that flat paints are generally not good sealers.

7.2.2 *Unpainted Surfaces*

Wood — Priming should be undertaken with an undercoater conforming to CAN/CGSB-1.38 and finished with an enamel conforming to CAN/CGSB-1.57.

Walls — Sealing should be undertaken with a primer-sealer conforming to CAN/CGSB-1.119 and finished with an enamel conforming to CAN/CGSB-1.57.

7.2.3 *Previously Painted Surfaces*

Non-absorbent wood or wall surfaces — Enamel should be applied directly.

Absorbent wood surfaces — Should be primed with an undercoater conforming to CAN/CGSB-1.38 and finished with an enamel conforming to CAN/CGSB-1.57.

Absorbent wall surfaces — Should be sealed with a primer-sealer conforming to CAN/CGSB-1.119 and finished with an enamel conforming to CAN/CGSB-1.57.

7.3 **Related Publication**

7.3.1 Canadian General Standards Board (CGSB)

CAN/CGSB-1.38 — Interior Enamel Undercoater.

7.4 **Sources of Referenced Publications**

7.4.1 The publications referred to in par. 2.1.1 and 7.3.1 may be obtained from the Canadian General Standards Board, Sales Centre, Gatineau, Canada K1A 1G6. Telephone (819) 956-0425 or 1-800-665-2472. Fax (819) 956-5644.

7.4.2 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 0K9. Telephone (613) 954-0104. Fax (613) 952-1994.

7.4.3 The publications referred to in par. 2.1.3 may be obtained from ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, U.S.A., telephone (610) 832-9585, fax (610) 832-9555; or from IHS Canada, 1 Antares Drive, Suite 200, Ottawa, Ontario K2E 8C4. Telephone (613) 237-4250 or 1-800-267-8220. Fax (613) 237-4251.

7.4.4 The publication referred to in par. 2.1.4 may be obtained from IHS Canada, 1 Antares Drive, Suite 200, Ottawa, Ontario K2E 8C4. Telephone (613) 237-4250 or 1-800-267-8220. Fax (613) 237-4251.