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Canadian General
Standards Board

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These CGSB standards and National Standards of Canada are hereby withdrawn due to limited use and support for their revision.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

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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/, 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

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 Surfacers (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'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)

NATIONAL STANDARD OF CANADA

CAN/CGSB-1.150-M91

Supersedes 1-GP-150M

Clear Lacquer For Wood Furniture



QUALITY

Withdrawn/Retiré

Canadian General Standards Board

CGSB

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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.

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-writing 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:

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11 Laurier Street
Hull, Quebec

CLEAR LACQUER FOR WOOD FURNITURE

This new edition supersedes 1-GP-150M, February 1979. There are no substantial technical changes.

Prepared by the
Canadian General Standards Board



Approved by the
Standards Council of Canada 

Published May 1991 by the
Canadian General Standards Board
Ottawa, Canada K1A 1G6

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Ashton, H.E.	National Research Council of Canada
Balmer, S.R.	BAPCO Paint Ltd.
Callahan, T.	MacNaughton-Brooks Ltd.
Carlyle, A.G.	Department of National Defence
Chaoui, T.	Glidden Company (Canada) Ltd.
Chaudhry, H.	Canadian Penitentiary Service
Cinkant, E.	Ed Cinkant & Associates Ltd.
Croutch, V.	ORTECH International
Desbiens, Y.	Canadian Arsenals Ltd.
Eskra, D.	PPG Industries Canada Inc.
Fryzuk, S.	Rohm and Haas Company of Canada
Goddard, J.S.	Benjamin Moore & Co. Ltd.
Green, A.	General Paint Corporation of Canada Ltd.
Hamill, I.	Color Your World Ltd.
Harrison, J.	Lepage Ltd.
Hebdige, B.A.	International Paints (Canada) Ltd.
Inch, J.	British Columbia Hydro
King, W.B.G.	The Standards Manufacturing Co. Ltd.
Kittson, J.	Department of National Defence
Logan, B.	Swing Paints Ltd.
McGovern, A.D.	Kronos Canada Inc.
McJannett, J.D.	Union Carbide Canada Ltd.
Patel, Ms. S.	The Retail Research Foundation of Canada
Petricich, F.	Department of Public Works
Pfaff, T.A.	Valspar Inc.
Rashid, M.A.	Government of Alberta
Roberts, P.	Greenwich Canadian Testing
Smith, H.	Northern Paint Canada Inc.
Stoukus, D.	Ontario Hydro
Taada, K.	Department of Supply and Services
Vallée, M.	Sico Paint Inc.
Wiezoreck, G.	West Coast Painting Co. Ltd.
Zaborniak, R.	Canada Mortgage and Housing Corporation
Khan, R.A. <i>Secretary</i>	Canadian General Standards Board

Acknowledgement is made for the French translation of this National Standard of Canada by the Translation Bureau of the Department of the Secretary of State and for the publishing by MGL Publishing Inc.

CANADIAN GENERAL STANDARDS BOARD

CLEAR LACQUER FOR WOOD FURNITURE

1. SCOPE

- 1.1 This standard applies to cellulose nitrate clear lacquer for use on wood furniture.
- 1.2 For more detailed information on intended uses see par. 8.2.
- 1.3 The testing and evaluation of a product against this standard may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this standard has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. APPLICABLE PUBLICATIONS

- 2.1 The following publications are applicable to this standard:

2.1.1 Canadian General Standards Board (CGSB)

1-GP-4M — Thinner, Petroleum Spirits
1-GP-71 — Methods of Testing Paints and Pigments
30-GP-9M — Paper, Abrasive, Flint, Glue Bond.

2.1.2 Department of Consumer and Corporate Affairs

Hazardous Products Act.

2.1.3 ASTM

D 1545 — Test Method for Viscosity of Transparent Liquids by Bubble Time Method.

- 2.2 Reference to the publications in par. 2.1.1 and 2.1.3 and other related standards is to the latest issues unless otherwise specified by the authority applying this standard. The sources for all publications are shown in the Notes section.

3. CLASSIFICATION

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

3.1.1 *Types*

Type 1 — Ready to Spray
Type 2 — For Hot Spray.

3.1.2 *Classes*

Class A — Gloss (Rubbing)
Class B — Satin (Non rubbing).

4. GENERAL REQUIREMENTS

- 4.1 Lacquer complying with this standard shall consist of cellulose nitrate and modifying resins adequately dissolved in suitable solvents, and shall be free from particles of undissolved ingredients, skins or dirt. Class A lacquer shall be a high-gloss material suitable for rubbing with light mineral oil and pumice stone or any other suitable rubbing compound, when a satin finish is desired. Class B lacquer shall be formulated with flattening agents so that it will dry to a satin finish without rubbing.
- 4.2 Type 1 lacquer shall be supplied in a consistency suitable for spraying at normal room temperatures.
- 4.3 Type 2 lacquer shall be supplied in a consistency suitable for spraying with appropriate equipment when heated to $70 \pm 3^\circ\text{C}$.
- 4.4 The lacquer shall be quick drying and shall produce a smooth, hard and adherent film of good appearance and durability.
- 4.5 When applied by spray, the dried film shall show no dusting, mottling, seeding, wrinkling, pitting, blistering, pinholing, open pores or film fractures and not more than a trace of orange peel.
- 4.6 The lacquer shall not gel, thicken excessively or cake in the original unopened container for one year from date of shipment when stored at temperatures not exceeding 40°C and at the end of this time it shall be capable of being readily mixed to a uniform condition by stirring.

5. DETAILED REQUIREMENTS

Lacquer to this standard shall comply with the following detailed requirements when tested in accordance with the specified test methods:

		Test Method			
		Min.	Max.	CGSB 1-GP-71	ASTM
5.1	Viscosity, Gardner-Holdt			—	D1545
5.1.1	Type 1, at $25 \pm 0.25^\circ\text{C}$	A1	C		
5.1.2	Type 2, at $70 \pm 2^\circ\text{C}$	A	G	11.2	—
5.2	Colour, Gardner (1953)	—	7	12.7	—
5.3	60° gloss, units				
	Class A	85	—	13.2	—
	Class B	20	50.0		
5.4	Nonvolatile matter, % by mass			17.1	—
	Type 1	21	—		
	Type 2	28	—		
5.5	Benzene	—	0.1*	65.1	—

*Hazardous Products Act

- 5.6 **Drying and Rubbing Properties, Class A only** — After 18 h air drying, the lacquer shall be sufficiently hard for rubbing and when rubbed as specified shall produce a smooth finish that shows no sweating when examined 24 h after the rubbing in accordance with the procedure specified in par. 7.3.
- 5.7 **Heat Stability, Type 2** — After heating for 24 h at 75°C, Type 2 lacquer shall meet the requirements for viscosity in par. 5.1 when tested in accordance with CGSB standard 1-GP-71, Method 30.6.
- 5.8 **Boiling Water Resistance** — The lacquer finish shall show no greying nor spotting when boiling water is poured on the panel, prepared in accordance with the procedures in par. 7.3 and tested in accordance with CGSB standard 1-GP-71, Method 110.12.
- 5.9 **Ultraviolet Light Resistance** — The dried lacquer finish shall not show more than a slight darkening after 24 h exposure to ultraviolet light in accordance with CGSB standard 1-GP-71, Method 120.3.
- 5.10 **Cold Check Resistance** — The dried lacquer finish on panels prepared in accordance with par. 7.3 shall show no cracking nor checking after being subjected to 15 cycles of heating at 50°C and cooling at -20°C, and then tested in accordance with CGSB standard 1-GP-71, Method 121.2.
- 5.11 **Self-Lifting** — There shall be no blistering, wrinkling, lifting, softening or other defects when a second coat of lacquer is applied over films of the lacquer that have dried for intervals of 1, 6 and 24 h and tested in accordance with CGSB standard 1-GP-71, Method 132.2.
- 5.12 **Toughness and Adhesion** — The lacquer finish on panels prepared in accordance with par. 7.3 shall not crack or show whitening, which is evidence of film separation, but shall conform to the contour of indentation when marred by a rounded steel rod when tested in accordance with CGSB standard 1-GP-71, Method 135.2.
- 5.13 **Print Resistance** — The lacquer finish on panels prepared in accordance with par. 7.3, when subjected 24 h to the print test using a pressure of 7 kPa at 23°C and 3.5 kPa at 45°C, shall not show in either test any imprint that cannot be readily removed by light polishing when tests are performed in accordance with CGSB standard 1-GP-71, Method 142.2.
- 5.14 **Alcohol Resistance** — The dried lacquer finish on panels prepared in accordance with par. 7.3 shall withstand the action of 50% by volume of ethyl alcohol for 2 h without showing whitening or spotting that cannot be removed by light polishing when tested in accordance with CGSB standard 1-GP-71, Method 146.1.

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 the labelling requirements of any relevant Acts or Regulations, each container shall be labelled to show the following information:

Name of material
Type
Class
Standard number: CAN/CGSB-1.150-M91
Manufacturer's name and address
Manufacturer's batch number
Date of manufacture.

CAUTION: KEEP AWAY FROM FLAMES.

7. INSPECTION

- 7.1 **Sampling** — Sampling shall be carried out in accordance with CGSB standard 1-GP-71, Method 1.1.

7.2 **Testing** — The procedures for rating the effects of change in CGSB standard 1-GP-71, Method 143.1 shall be used, as applicable, for evaluating performance.

7.3 **Preparation of Panels**

7.3.1 Cut test panels from “Good One Side-Sound One Side” 5-ply walnut veneer plywood having an overall thickness of 8.0 to 9.5 mm and consisting of a walnut veneer front and hardwood back each 0.8 mm in thickness, two hardwood inner plies 1.2 to 1.6 mm in thickness, and a hardwood inner core 4.0 to 4.8 mm in thickness. No side of the panel shall be shorter than 100 mm and the total area shall not be less than 200 cm². The panels shall have a moisture content of 6 to 8%, which can be obtained under conditions of 18 to 24°C and 35 to 40% RH; however, they may be stored under standard conditions of 23 ± 2°C and 50 ± 5% RH. The panels shall be thoroughly sanded with extra fine flint paper prior to finishing and the surface cleaned before staining.

7.3.2 Walnut nongrain-raising, light-fast, solvent-type stain shall be applied by spray and allowed to dry thoroughly for not less than 30 min (par. 8.2.4).

7.3.3 A wash-coat consisting of a blend of 4 parts of lacquer thinner and 1 part of the lacquer being tested shall be applied by spray. After the wash-coat has dried 1 h, the surface shall be lightly sanded with extra fine paper conforming to CGSB standard 30-GP-9M, and all loose particles and dust removed.

7.3.4 Paste wood filler stained to walnut finish shall be reduced with petroleum spirits conforming to CGSB standard 1-GP-4M as required for workability, and an amount in excess of that required to fill the pores shall be applied by brush in the direction of the grain. The filler shall be allowed to set and the excess then wiped off across the grain, the filler being worked into the pores using a clean pad of cheesecloth. Excess filler shall be completely wiped from the panels. The panels shall be allowed to dry 24 h (CGSB 1-GP-71, Method 103.1) and then lightly sanded with extra fine paper. All loose particles and dust shall be removed.

7.3.5 A coat of the lacquer under test shall be applied to the test surfaces and the edges of the panels, allowed to dry 1 h, then sanded smooth with extra fine paper. The panels shall be thoroughly cleaned before application of the lacquer in accordance with par. 7.3.6.

7.3.6 Type 1 lacquer shall be applied by spray (CGSB 1-GP-71, Method 97.3) in two coats on each panel with 1 h drying between coats. Type 2 lacquer shall be applied by spray in one cross-coat on each panel using an approved hot-spray unit under the following conditions:

Atomization air temperature: room temperature 21 to 32°C

Atomization air pressure: 420 to 450 kPa

Cold Lacquer feed-tank pressure: 7 to 10.5 kPa

Fluid and air adjustment valves on gun: wide open

Air cap and fluid tip: DeVilbiss (or equivalent) Type E tip and No. 765 air cap

Lacquer temperature at spray gun: 70 ± 3°C

Distance from spray gun to work: .3 to .45 m

Lacquer flow rate at nozzle: 0.3-0.6 L/min

Thermostatic setting on lacquer heating unit: 80°C.

7.3.7 When testing Class A lacquer, the final coat shall be allowed to dry for 18 h and then rubbed as follows: The panels shall first be sanded with No. 360 silicon-carbide abrasive paper, the paper being lubricated at intervals with petroleum spirits conforming to CGSB standard 1-GP-4M. The surface shall be wiped clean and then rubbed in the direction of the grain to a smooth satin finish using 3F grade pumice powder, petroleum spirits and a clean felt pad. Care shall be taken to prevent cutting through the finish on high spots. The panels shall be recleaned with a suitable cleaner before testing. Class B lacquer films shall be dried for the time specified in each test and shall not be rubbed prior to testing.

7.4 **Rubbing Properties** — A panel shall be prepared and rubbed as specified (par. 7.2). After rubbing and cleaning, the panel shall be examined, placed under standard conditions (CGSB 1-GP-71, Method 103.1) for 24 h and examined again.

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 Intended Uses

8.2.1 Lacquer complying with this standard is intended primarily for use on interior wood furniture but may also be used for other wood surfaces such as wood panelling, doors, etc.

8.2.2 Class B lacquer is intended to be used without rubbing.

8.2.3 For metal surfaces use cellulose nitrate lacquer conforming to CGSB standard 1-GP-134M.

8.2.4 The following system is recommended:

Nongrain-raising, light-fast, solvent-type stain where desired (e.g., U.S. Federal Specification TT-S-720 Stain; Wood, Nongrain-raising, Solvent-dye Type)
Wash-coat of thinned lacquer, CAN/CGSB-1.150-M
Clear lacquer, CAN/CGSB-1.150-M.

8.3 Related Publication

This standard is based in part on U.S. Federal Specification TT-L-57 Lacquer, Rubbing, Clear (For Wood Furniture).

8.4 Sources of Referenced Publications

8.4.1 The publications referred to in par. 2.1.1, 8.2.3 and 8.2.4 may be obtained from the Canadian General Standards Board, Sales Unit, Ottawa, Canada, K1A 1G6. Telephone (819) 956-0425 or 956-0426. Fax (819) 956-5644.

8.4.2 The publication referred to in par. 2.1.2 may be obtained from the Canada Communication Group, Publishing, Ottawa, Canada K1A 0S9. Telephone (819) 956-4802.

8.4.3 The publication referred to in par. 2.1.3 may be obtained from ASTM, 1916 Race Street, Philadelphia, PA 19103, U.S.A. or from Standards Council of Canada, Standards Sales Branch, 350 Sparks Street, Suite 1200, Ottawa, Ontario K1P 6N7.

8.4.4 The publications referred to in par. 8.2.4 and 8.3 may be obtained from the Naval and Publications Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120, U.S.A.



Withdrawn/Retirée