



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These CGSB standards and National Standards of Canada are hereby withdrawn due to limited use and support for their revision.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 The information contained therein may no longer represent the most current, reliable, and/or available information on these subjects.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

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 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 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

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

COATING SYSTEMS FOR MARINE FLOATING
NAVIGATIONAL AIDS (BUOYS)

3. GENERAL REQUIREMENTS

Change par. 3.5 to read:

- 3.5 When antifouling coating is required at least one coat of a proprietary ablative copper based antifoulant, compatible with the coating system shall be applied in accordance with the manufacturers recommended practice.

OFFICE DES NORMES
GÉNÉRALES DU CANADA

SYSTÈMES DE REVÊTEMENT POUR AIDES À LA
NAVIGATION FLOTTANTES (BOUÉES)

EXIGENCES GÉNÉRALES

Modifier le par. 3.5 comme suit:

Lorsqu'une peinture antisalissure est requise, au moins une couche d'agent antisalissure breveté ablatif à base de cuivre et compatible avec le système de protection doit être appliquée conformément aux pratiques recommandées par le fabricant.



Canadian
General
Standards
Board

CAN/CGSB-1.211-95

Coating Systems for Marine Floating Navigational Aids (Buoys)

Withdrawn/Retirée



National Standard of Canada

The CANADIAN GENERAL STANDARDS BOARD (CGSB), under whose auspices this standard has been developed is a government agency within the Federal Department of Supply and Services. 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. The Minister's Advisory Council on CGSB reviews the results of the consensus process.

CGSB has been accredited by the Standards Council of Canada as a national standards-writing 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 national standards developed by CGSB are developed in conformance with the policies described in the Policy Manual for the Development and Maintenance of Standards by CGSB.

CGSB standards are subject to review and revision at any time, so as 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, will be found in the CGSB Catalogue, which is published annually and is available without charge upon request.

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.

Many tests required by CGSB standards are inherently hazardous. CGSB neither assumes nor accepts any responsibility for any injury or damage that may occur during or as the result of tests, wherever performed.

CGSB takes no position respecting the validity of any patent rights asserted with any item connected with this standard. 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
Marketing and Sales Services
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-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:

Standards Council of Canada
45 O'Connor Street
Suite 1200
Ottawa, Ontario
K1P 6N7

How to order CGSB Publications:

by Telephone — (613) 941-8703 or
— 1-800-665-CGSB
(Canada only)

by Fax — (613) 941-8705

by Mail — CGSB Sales Centre
Ottawa, Canada
K1A 1G6

in Person — Suite 1402
222 Queen Street
Ottawa, Ontario

COATING SYSTEMS FOR MARINE FLOATING NAVIGATIONAL AIDS (BUOYS)

Prepared by the
Canadian General Standards Board 

Approved by the
Standards Council of Canada 

Published May 1995 by the
Canadian General Standards Board
Ottawa, Canada K1A 1G6

©Minister of Supply and Services Canada — 1995

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

**CANADIAN GENERAL STANDARDS BOARD
COMMITTEE ON MARINE PAINTS**

(Membership at date of approval)

Northcott, J.E.	<i>Chairperson</i>	Department of National Defence
Agnew, D.J.		Amercoat Canada
Alliston, G.R.		Specialty Polymer Coatings Inc.
Ashton, H.E.		Stand Info
Atkins, B.M.		Corrspec Consultants (Atlantic)
Benner, H.J.		Lanark Coating Services Ltd.
Berthelet, B.		Department of Transport/Canadian Coast Guard
Chan, L.L.S.		Korzite Coatings Inc.
Cochrane, A.J.		Matchless Paints
Conroy, E.N.		Department of Fisheries and Oceans
Flack, J.R.		ORTECH
Foster, T.		Department of National Defence
Keen, R.E.		Devoe Coatings
Lim, H.M.		Department of National Defence
McCleery, W.T.		Valspar Inc.
Papa, T.		Union Carbide Canada Inc.
Pepin, L.		Sico Inc.
Philipp, H.		Department of Supply and Services
Richer, J.P.		BASF Canada Inc.
Tibbetts, F.F.		Tibbetts Paints Ltd.
Khan, R.	<i>Secretary</i>	Canadian General Standards Board

Acknowledgment is made for the translation of this National Standard of Canada by the Translation Bureau of the Department of the Secretary of State.

CANADIAN GENERAL STANDARDS BOARD

**COATING SYSTEMS FOR MARINE FLOATING
NAVIGATIONAL AIDS (BUOYS)****1. SCOPE**

- 1.1 This standard applies to coating systems suitable for the painting of marine floating navigational aids, (buoys), for the complete system above the waterline and as a first coat and intermediate coat below the waterline to provide a minimum of five year service in seacoast and heavy industrial environment.
- 1.2 The coating systems are intended for the protection of buoys and other substrates exposed to fresh or sea water immersion, tidal, splash zones and other severe marine environments.
- 1.3 The coating systems are mainly intended for use as protective systems on carbon steel substrate. For application on other substrates, consult the manufacturer.
- 1.4 The testing and evaluation of a product against this standard may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this standard has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. APPLICABLE PUBLICATIONS

- 2.1 The following publications are applicable to this standard:
 - 2.1.1 Canadian General Standards Board (CGSB)
 - 1-GP-71 — Methods of Testing Paints and Pigments
 - CAN/CGSB-1.123 — Vinyl Antifouling Paint for Ships' Bottoms.
 - 2.1.2 Department of Consumer and Corporate Affairs
Hazardous Products Act.
 - 2.1.3 American Society for Testing and Materials (ASTM)
 - B 117 — Operating Salt Spray (Fog) Testing Apparatus
 - D 1640 — Test Method for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature
 - D 2486 — Test Method for Scrub Resistance of Interior Latex Flat Wall Paints
 - D 3359 — Method for Measuring Adhesion by Tape Test
 - D 4587 — Practice for Conducting Tests on Paint and Related Coatings and Materials Using A Fluorescent UV-Condensation Light-and Water-Exposure Apparatus.
 - 2.1.4 Steel Structures Painting Council (SSPC)
 - SSPC-SP 1 — Solvent Cleaning
 - SSPC-SP 7 — Brush-Off Blast Cleaning
 - SSPC-SP 10 — Near-White Blast Cleaning.
 - 2.1.5 U.S. Federal Standards
 - 595 B — Colors used in Government Procurement.

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

3. GENERAL REQUIREMENTS

- 3.1 The coating systems shall comprise 1 to 5 coats depending upon the system chosen for use and made up of:
Primer and/or
Intermediate Coat(s) and/or
Finish Coat(s).
- 3.2 The primers shall provide adhesion and corrosion protection to the blast-cleaned substrate and prevent undercutting.
- 3.3 Intermediate coats, where applicable, shall provide adhesion to the primer and accept the adhesion of the appropriate finish coat(s).
- 3.4 The finish coat(s), where applicable, shall adhere to the previous coat and provide a system protection from the corrosive environment.
- 3.5 When antifouling coating is required, at least one coat conforming with CAN/CGSB-1.123 shall be applied in accordance with the instructions provided by the manufacturer of the coating systems.
- 3.6 Each coating of a system shall produce a smooth, hard and uniform film on the surfaces, without sags or runs when it is thoroughly mixed in accordance with the manufacturer's instructions, and applied either by airless or air-atomized spray at the specified film thickness, according to the manufacturer's stated pot life for the coating and within the allowable temperatures. The coating shall also be suitable for the minor touchup of small areas by brush.
- 3.7 No coating shall gel, thicken excessively or cake when stored in its original unopened container(s) for one year from date of shipment, at temperatures between 5 and 40°C. After being stored for this period of time the coating shall be capable of being readily mixed to a uniform consistency with a power-driven mud mixer or similar type of power-driven mixing blade. When prepared and applied as per the manufacturer's instructions, the coating shall meet the specified drying times and the application and appearance requirements.

4. DETAILED REQUIREMENTS

- 4.1 **Drying Time** — The coating system shall be dry-to-handle in 48 h maximum from the commencement of application of the first coat when tested in accordance with par. 5.6.
- 4.2 **Sag Resistance**
- 4.2.1 **High-Build Coatings** — All coatings to be applied at a dry film thickness of 100 µm or greater shall be considered as high-build coatings. When applied at a wet film thickness sufficient to provide a dry film thickness 50% greater than the manufacturer's specified requirement, the coating shall show no evidence of sagging or flowing back over the uncoated area when tested in accordance with par. 5.7.
- 4.2.2 **Low-Build Coatings** — All coatings to be applied at a dry film thickness of less than 100 µm shall be considered as low-build coatings. When applied at a wet film thickness sufficient to provide a dry film thickness 50% greater than the manufacturer's specified requirement, the coating shall show no evidence of sagging or flowing back over the uncoated area when tested in accordance with par. 5.7.
- 4.3 **Adhesion** — The cured system shall have an adhesion rating of 5A when tested in accordance with par. 5.8.
- 4.4 **Direct Impact Resistance**
- 4.4.1 **At Room Temperature** — The cured system shall show no loosening, cracking or chipping when subjected to an impact of 4.5 J when tested in accordance with par. 5.9.1.
- 4.4.2 **At 0°C** — The cured system shall show no loosening, cracking or chipping when subjected to an impact of 2.7 J when tested in accordance with par. 5.9.2.

- 4.5 **Cyclic Test** — Complete systems on scored panels shall show no evidence of blistering, softening or other defects and shall have a minimum adhesion rating of 3A after a 4 h recovery period when exposed for 8 complete cycles in the cyclic test. There shall be no corrosion of the substrate panel and there shall not be more than 3 mm undercreep at the score lines. The top and bottom 6 mm of the panels shall be disregarded when tested in accordance with par. 5.10. Changes in gloss and colour shall be disregarded.
- 4.6 **Salt Water Immersion** — Complete systems on scored panels shall show no evidence of blistering, softening or other defects and shall have a minimum adhesion rating of 4A after a 4 h recovery period when exposed for 21 d in aerated synthetic sea water. There shall be no corrosion of the panel and not more than 3 mm undercreep at the score lines. The top and bottom 6 mm of the panels shall be disregarded when tested in accordance with par. 5.11.
- 4.7 **Recoatability** — The two remaining panels from the salt water immersion test described in par. 4.6 shall be cleaned, prepared and have a coat of the identical finish coating applied to them. Re-expose the panels to synthetic sea water for a further 21 d. There shall be no evidence of blistering, softening or other defects and there shall be a minimum adhesion rating of 4A after a 4 h recovery period. There shall be no corrosion of the panel and not more than 6 mm undercreep at the score lines. The top and bottom 6 mm of the panels shall be disregarded when tested in accordance with par. 5.12.
- 4.8 **Flexibility** — The full coating system shall show no cracking or peeling when subjected to the bend test using a 170 mm O.D. mandrel in accordance with par. 5.13.
- 4.9 **Gloss and Colour Retention** — Expose the panels in a fluorescent UV condensation light-and-water-exposure apparatus for 750 h. The minimum initial 60° gloss shall not be less than 70 units. The colour change shall not be more than ΔE 15 when tested in accordance with par. 5.14.
- 4.10 **Pot Life — Multi Component Coatings** — When held at room temperature, the mixed components shall remain sprayable for the manufacturer's stated pot life with the same applied characteristics specified in par. 4.12. The mixed coating shall remain lump-free and sprayable when tested in accordance with par. 5.15.
- 4.11 **Abrasion Resistance** — Apply one coat of the finish coating of the system and subject it to the falling abrasion resistance test of not less than 900 grams per µm of dry film thickness in accordance with par. 5.16.1.
- 4.11.1 Apply one coat of the finish coating of the system and subject it to the scrub resistance test for 1000 cycles in accordance with par. 5.16.2.
- 4.12 **Application and Appearance**
- 4.12.1 **Spraying Properties** — When applied as recommended by the manufacturer, the coating shall spray well and shall show no tendency to sag, creep or run and be free of craters, blisters and pinholes when tested in accordance with par. 5.17.1.
- 4.12.2 **Intercoat Compatibility** — When examined immediately after application and after the required drying time in accordance with par. 5.17.2, each coating of the system shall have a surface suitable to apply the specified succeeding coat without wrinkling, lifting, crawling or softening.
- 4.12.3 **Appearance of the Dried Film** — When tested in accordance with par. 5.17.3, the coating shall dry to a smooth, uniform film, free from grit, craters, pinholes, blisters and other surface imperfections.
- 4.13 **Colour** — The colour of the finish coat shall be supplied in accordance with the following U.S. Federal Standard 595 B Colours: Red 11350, Black 17035, White 17925, Green 14066, Green 14193 and Yellow 13655 or as specified (par. 8.1).
- 4.14 **Qualification Testing Only** — The testing described in this section shall be performed on the full system with the finish colour Red 11350 in accordance with U.S. Federal Standard 595B. The testing described in par. 4.9 shall be performed on the full system with the other finishing colours specified in par. 4.13.

5. TESTING

- 5.1 **Panel Preparation** — Test panels conforming to par. 5.6, 5.8, 5.10, 5.14 and 5.15 shall be AISI 1010 to 1040 mild steel, 100 × 200 × 3 mm. They shall be degreased in accordance with Steel Structures Painting Council SSPC-SP 1

"Solvent Cleaning" followed by abrasive blasting in accordance with Steel Structures Painting Council SSPC-SP 10 "Near White." Blast profiles shall be in accordance with the manufacturer's recommendations. In the event that blast profiles are not available from the manufacturers, the default profile shall be between 25 and 37 μm for a low-build primer and between 37 and 62 μm for a high-build primer.

- 5.1.1 Test panels conforming to par. 5.7 shall be solvent-cleaned 100 × 200 mm cold rolled steel.
- 5.1.2 Test panels conforming to par. 5.9 shall be in accordance with CGSB standard 1-GP-71, Method 100.3.
- 5.1.3 Test panels conforming to par. 5.13 shall be 65 × 350 × 3 mm AISI 1010 mild steel prepared in accordance with par. 5.1.
- 5.1.4 Test panels conforming to par. 5.15 shall be 75 × 150 × 3 mm AISI 1010 mild steel prepared in accordance with par. 5.1.
- 5.1.5 Test panels conforming to par. 5.16.1 shall be in accordance with CGSB standard 1-GP-71, Method 104.1.
- 5.1.6 Test panels conforming to par. 5.16.2 shall be in accordance with ASTM D 2486.
- 5.1.7 Test panels conforming to par. 5.17.1 shall be cleaned, degreased 600 × 900 mm cold rolled steel.
- 5.2 All coatings must be applied by spray as recommended by the manufacturer.
- 5.3 Unless otherwise specified, all applications of the coating systems as well as the drying and curing shall be done in accordance with CGSB standard 1-GP-71 Method 103.1.
- 5.4 Unless otherwise specified by the manufacturer, allow each coat to dry for 24 h before applying the succeeding coat and 7 d after applying the final coat before testing.
- 5.5 The backs and edges of all panels subjected to the tests described in par. 5.10, 5.11 and 5.12 shall be coated with an appropriate material to prevent any premature failure.
- 5.6 **Drying Time** — Apply a coat of the primer to two panels prepared as described in par. 5.1 at the required dry film thickness. After the manufacturer's minimum recommended recoating time, apply each succeeding coat of the system. After 48 h, test the system for dry-to-handle in accordance with ASTM D 1640, Method 7.7.
- 5.7 **Sag Resistance** — Press a strip of 25 mm masking tape across the full width of a panel prepared as described in par. 5.1.1, parallel to and centred on the shorter axis of the panel. Use separate panels for each coating of the system. Apply the material at the required dry film thickness. Immediately after application, carefully remove the masking tape and stand the panel in a vertical position (with the bare strip horizontal). At the end of 4 h examine the panel for sagging or running of the coating into the bare area.
- 5.8 **Adhesion** — Apply the full coating system to two panels prepared as described in par. 5.1. Following the 7 d drying time, force cure the panels for 48 h at 50°C and condition at room temperature for a minimum of 2 h. Test for adhesion to the substrate and also for intercoat adhesion in accordance with ASTM D 3359 Method A using the 76 N/100 mm width (70 oz/in width) tape.
- 5.9 **Direct Impact Resistance** — Apply the full coating system to 6 panels prepared as described in par. 5.1.2. Following the 7 d drying time, force cure the panels for 48 h at 50°C and condition at room temperature for a minimum of 2 h.
 - 5.9.1 **At Room Temperature** — Determine the impact resistance on three panels in accordance with CGSB standard 1-GP-71, Method 147.1 at room temperature. After the film in the impact area has been subjected to the specified impact, examine it for any defects under 10 power magnification.
 - 5.9.2 **At 0°C** — Place the remaining three panels and the test apparatus in the cold chamber maintained at $0 \pm 2^\circ\text{C}$ and condition for at least 4 h. Determine the impact resistance in the cold chamber in accordance with CGSB standard 1-GP-71, Method 147.1. After the film in the impact area has been subjected to the specified impact, examine it for any defects under 10 power magnification.

- 5.10 **Cyclic Test** — Prepare at least three panels of the complete system as described in par. 5.1. Cut an X to bright metal from corner to corner by holding a sharp knife at an angle of 30° to the panel, with the plane of the blade perpendicular to the panel and lying in the direction of the cut. Expose the panels to the following cyclic test:
- UV/Condensation — 8 h UV at 60°C and 4 h condensation at 45°C in accordance with ASTM D 4587.
 - Salt Fog/Drying Period — Use the equipment in accordance with ASTM B 117 but operated at $25 \pm 3^\circ\text{C}$. The solution shall be 0.35% (wt) $(\text{NH}_4)_2\text{SO}_4$, 0.05% (wt) NaCl, pH (5.2). Expose the panels continuously in the salt fog for 20 h, then shut the apparatus down; open the lid and circulate room temperature air over the panels for 4 h.
 - Freeze/Water Immersion — 16 h at -18°C followed immediately by 8 h immersion in fresh water at $25^\circ\text{C} \pm 2^\circ\text{C}$.
- One complete cycle consists of:
- 72 h continuous UV/condensation
 - 48 h alternating salt fog/drying period
 - 48 h alternating freeze/water immersion
- Repeat the complete cycle up to seven times, then examine the panels for compliance with the requirements specified in par. 4.5.
- 5.11 **Salt Water Immersion** — Prepare four panels of the complete coating system as described in par. 5.1. Cut an X to bright metal as described in par. 5.10 and totally immerse them in synthetic aerated sea water in accordance with CGSB standard 1-GP-71, Method 113.1 for 21 d. Immediately after this immersion, rinse the panels and examine two for compliance with the requirements described in par. 4.6. Retain the two remaining panels for the recoatability test described in par. 4.7.
- 5.12 **Recoatability** — Utilizing the two remaining panels from the synthetic aerated salt water immersion test described in par. 5.11, wash the panel again and let stand in a vertical position for 24 h. Note: Do not attempt to clean out the score lines. After the 24 h drying period, roughen, but do not remove the finish coat or clean out the score lines by a "Sweep Blast" similar to SSPC-SP 7 using a grit size of 50 or smaller. Apply one coat of the same finish coat as per the original application. Do not rescore the panels. Allow the panels to dry 7 d under standard conditions and reimmerse in the salt water. Immediately after this immersion, rinse the panels and examine for compliance with the requirements of par. 4.7.
- 5.13 **Flexibility** — Apply the full coating system to three panels prepared as described in par. 5.1.3. Following the 7 d drying time, force cure the panels for 48 h at 50°C and condition at room temperature for a minimum of 2 h. Then with the film side up and in a time interval of 1 to 1.5 s, bend through 180° over a 170 mm O.D. pipe. Immediately examine the bend with 10 power magnification for compliance with the requirements described in par. 4.8. Disregard cracks at edges that extend no further than 6 mm.
- 5.14 **Gloss and Colour Retention** — Prepare three panels of the complete coating system as described in par. 5.1.4. Retain one control panel for comparison purposes. Measure the gloss of all panels in accordance with CGSB standard 1-GP-71, Method 13.4 and the colour in accordance with CGSB standard 1-GP-71, Method 12.1. Expose two panels to the UV/condensation test using 8 h UV at 60°C and 4 h condensation at 45°C in accordance with ASTM D 4587 for 750 h. Every 168 h (or approximately once a week) remove the panels, measure and record the colour then re-expose the panels. Upon completion of the exposure, measure the final colour and record the ΔE change.
- 5.15 **Pot Life of the Mixed Coating (Multi Component Coatings)** — Prepare one panel for each coating as described in par. 5.1. Fill a 3.78 L can (1 U.S. gallon maximum capacity) with freshly mixed material, seal tightly, store under standard conditions for the specified time, and examine the material for consistency and applicability.
- 5.16 **Abrasion Resistance**
- 5.16.1 **Resistance to Falling Abrasive** — Apply one coat of the finish coating of the system to three panels prepared in accordance with par. 5.1.5 at the specified dry film thickness. Allow the film to dry for 7 d under standard conditions, then subject the prepared panel to the abrasion test in accordance with CGSB standard 1-GP-71, Method 104.1. Report the results as grams per μm of the dry film thickness.

5.16.2 **Scrub Resistance** — Apply one coat of the finish coating of the system to a panel prepared in accordance with par. 5.1.6 at the specified dry film thickness. Allow the film to dry for 7 d under standard conditions, then subject the prepared panel to the scrub test in accordance with ASTM D 2486 for 1000 cycles. Report the mean number of cycles to failure.

5.17 **Application and Appearance**

5.17.1 **Spraying Properties** — The spray equipment used for this test shall be of the type recommended by the manufacturer. Place the panel prepared as described in par. 5.1.7 in a vertical position and apply the first coat of the system at the necessary wet film thickness required to achieve the specified dry film thickness. Examine the film for compliance with par. 4.12.1 immediately after application and after drying in the vertical position.

5.17.2 **Intercoat Compatibility** — After the first coat has dried for 24 h, apply the succeeding coats as described in par. 5.17.1 and allow a 24 h drying time between each coat. Examine each coat immediately after application for compliance with par. 4.12.1 and after drying in the vertical position for compliance with par. 4.12.2.

5.17.3 **Appearance of the dried film** — Examine the film 24 h after application of the final coat for compliance with par. 4.12.3.

6. **PREPARATION FOR DELIVERY**

6.1 Unless otherwise specified (par. 8.1), preparation for delivery shall conform to normal commercial practice.

6.2 **Packaging** — The supplier is required to fill the containers in such a manner that when the total contents of two or three containers (as applicable) are mixed together, the resulting mixture shall constitute one unit.

6.3 **Toxic Elements** — This coating shall be labelled to conform to the requirements of the Hazardous Products Act in respect to designated toxic elements.

6.4 **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 (system)

Standard number: CAN/CGSB-1.211-95

NATO stock number (when required)

Manufacturer's name and address

Manufacturer's batch number

Manufacturer's code number

Date of manufacture

Instructions for use

Thinning instructions

Colour

Safety precautions to be taken at time of application

Instructions for cleaning brushes, spray equipment and tools with the appropriate thinner/cleaner.

6.4.1 **Cautionary Labelling** — In addition to any special marking specified, each container shall have a warning label of appropriate size stating the hazards involved in respect to flammability and gassing, the method of relieving the pressure in event of bulged containers, the precautions to be taken during the use of the material, storage conditions, and the medical attention required in the event of contact with the skin or eyes.

6.4.2 **Mixing and Application Instructions** — Mixing and application instructions shall be provided in respect to, though not limited to the following:

— Induction period

— Pot life

- Thinning and cleaning conforming to the manufacturer's instructions.
- Application conditions, including instructions that the material shall be applied at temperatures specified as acceptable, at a relative humidity below 85% and at a surface temperature at least 2°C above the dew point.
- Recoat time (Min. — Max.)
- Blast profile requirement.

7. INSPECTION

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

8. NOTES

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

- a. Colour as specified (par. 4.13).
- b. Preparation for delivery, if other than as specified (par. 6.1).

- 8.2 Recommended Practices** — Coating systems covered by this standard are suitable for application by spray. Small areas may be coated by brush. Brush application of the coatings may be difficult and the final finish will be less uniform than when applied by spray. Brushing should be restricted to small areas which will be overcoated by spray.

8.3 Sources of Referenced Publications

- 8.3.1** The publication referred to in par. 2.1.1 may be obtained from the Canadian General Standard Board, Sales Centre, Ottawa, Canada K1A 1G6. Telephone (613) 941-8703 or 1-800-665-CGSB (Canada only). Fax (613) 941-8705.
- 8.3.2** The publications referred to in par. 2.1.3 may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, U.S.A., or photocopies are available from the CGSB Sales Centre (par. 8.3.1).
- 8.3.3** The publications referred to in par. 2.1.4 may be obtained from the Steel Structures Painting Council, 4516 Henry Street, Suite 301, Pittsburgh, PA 15213, U.S.A. Telephone (412) 687-1113.
- 8.3.4** The publication referred to in par. 2.1.5 may be obtained from Micromedia Limited, Technical Information Centre, 240 Catherine Street, Suite 305, Ottawa, Ontario K2P 2G8. Telephone (613) 237-4250 or 1-800-567-1914. Fax (613) 237-4251.
-