

1-GP-43c
June 1967
CANCELLATION
January 1977

CANADIAN GOVERNMENT SPECIFICATIONS BOARD
Specification
for

STAIN: DRYING OIL TYPE EXTERIOR, FOR SIDEWALLS AND ROOFS

This specification is hereby cancelled. There is no
demand for the product.

1-GP-43c
26 June 1967
AMENDMENT NO. 1
February 1971

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Standard
for

STAIN: SHINGLE, DRYING OIL TYPE,
FOR SIDEWALLS AND ROOFS

Title: Change the title to:

STAIN: DRYING OIL TYPE, EXTERIOR, FOR SIDEWALLS AND ROOFS.

1. DEFINITION

1.1 Change to read:

This standard applies to pigmented, weather-resistant stain suitable for exterior use on wooden shingles, shakes and siding.

5. DETAIL REQUIREMENTS

5.8 Resistance to Bleeding - Change the last sentence to read:

This requirement is not applicable to bright red shingle stain, such as Red 209-101, which may be a bleeding type.



CANADIAN GOVERNMENT SPECIFICATIONS BOARD

SPECIFICATION

FOR

STAIN: SHINGLE, DRYING OIL TYPE,
FOR SIDEWALLS AND ROOFS

1-GP-43c

26 JUNE 1967

SUPERSEDES 1-GP-43B

24 NOVEMBER 1961

THIS SPECIFICATION HAS BEEN PREPARED BY A GOVERNMENT
INDUSTRY COMMITTEE TO COMPLY WITH THE SPECIFIC REQUIREMENTS
OF THE FEDERAL GOVERNMENT. IT IS INTENDED FOR USE IN A
PROCUREMENT SYSTEM THAT INCLUDES INSPECTION PROCEDURES TO
ENSURE COMPLIANCE WITH THE REQUIREMENTS OF THE SPECIFICATION
AND ITS USE WITHOUT SUCH INSPECTION PROCEDURES MAY NOT BE
ADVISABLE.

THIS SPECIFICATION APPLIES TO PIGMENTED, WEATHER-RESISTANT STAIN SUITABLE FOR EXTERIOR USE ON
NEW WOOD.

DEPARTMENT OF DEFENCE PRODUCTION, OTTAWA, CANADA

COMMITTEE ON PAINTS, PIGMENTS AND RELATED COMMODITIES

and

Subcommittee on Construction and Maintenance

(Membership at date of approval by the Committee)

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Armstrong, W. N. B.	Ontario Research Foundation
Ashton, H. E.	National Research Council/DBR
Attendu, M. C.	Quebec Hydro
Barlow, E. A.	Atomic Energy of Canada Ltd.
Barry, E.	Canadian Paint Manufacturers Association
Brough, E. S.	Benjamin Moore and Company Limited
Cameron, J. R.	Canadian Industries Limited
Conley, R. J.	Department of National Defence
Cooper, E. K.	Canadian Pittsburgh Industries Ltd.
Delamater, K.	Sico Inc.
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Eastman, A.	Crown Diamond Paint Co. Ltd.
Flesher, G.	Department of Defence Production
Gareau, A.	Mount Royal Colour and Varnish Co. Ltd.
Gendron, A. S.	Department of National Defence
Gibbons, E. V.	National Research Council
Girard, J.	Department of Industry and Commerce, Quebec Bureau of Standards
Girard, J. G. (Subcommittee Chairman)	Department of National Defence
Gregory, F. R.	Sherwin-Williams Co. of Canada Ltd.
Hargrave, D.	Sherwin-Williams Co. of Canada Ltd.
Harrington, J. M.	Department of Rural Development and Forestry
Hooper, J. S.	Roxalin of Canada Ltd.
Horrocks, D.	O. P. W. Paint Company
Hughes, L.	Interchem of Canada Ltd.
Kennedy, R.	Scarfe and Company Limited
Krayer-Krauss, E.	Crown Diamond Paint Co. Ltd.
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Mills, W.	The Glidden Company Limited
Milne, R. A.	Du Pont of Canada Limited
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O'Dea, F. M.	Swing Paints Limited
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Rubec, P.	Department of Public Works
Slinger, J. S.	Department of National Defence
Steele, F. L.	The Glidden Co. Ltd.
Stubbs, K. E.	Department of Public Works
Tate, H. W.	Department of National Defence/Quality Assurance Branch
Watt, J. S.	National Harbours Board

Standards Officer - P. B. Balon, CGSB

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

STAIN: SHINGLE, DRYING OIL TYPE, FOR SIDEWALLS AND ROOFS

1. DEFINITION

1.1 This specification applies to pigmented, weather-resistant stain suitable for exterior use on new wood.

1.2 For more detailed information on uses, see 8.1.

2. APPLICABLE PUBLICATIONS

2.1 The following publications are applicable to this specification:

2.1.1 CGSB 1-GP-71, Methods of Testing Paints and Pigments.

2.1.2 ASTM Standards on Paint, Varnish, Lacquer and Related Products (and latest supplement).

2.2 Reference to the above publications and other specifications is to the issues in effect on the date of invitation to tender, unless otherwise specified.

3. CLASSIFICATION

3.1 The stain shall be supplied in one class.

4. GENERAL REQUIREMENTS

4.1 Stain complying with this specification shall consist of pigments adequately dispersed in suitable drying or semi-drying oils, together with the necessary thinners and driers.

4.2 The stain as supplied shall be suitable for dipping or spraying, and shall produce a uniform finish on new wood.

4.3 When the stain is applied to new wood of the same species and color as the specimen (see 8.2.2), it shall be possible to produce a color mutually satisfactory to the purchaser and supplier.

4.4 The stain shall not cake in the original unopened container for three months from date of shipment when stored at temperatures not exceeding 100°F (38°C). At the end of this time it shall be readily mixed to a uniform condition by simple stirring.

5. DETAIL REQUIREMENTS

Stain to this specification shall comply with the following detail requirements:

		<u>Min.</u>	<u>Max.</u>	<u>Test Method</u>	
				<u>1-GP-71</u>	<u>ASTM</u>
5.1	Flash Point, P.M. °F	95	-	3.1	-
	P.M. °C	35	-	-	-
5.2	Consistency, No. 3 Ford Cup, sec.	18	22	-	D1200
5.3	Drying Time, surface-dry, hr.	-	18	5.1	-
5.4	Volatile Matter, % by wt. of the stain	-	65	17.1	-
5.5	Saponifiable Nonvolatile Vehicle, % by wt. of the stain	25	-	19.3	-
5.6	Pigment Content, % by wt.	11	21	21.1	-
5.7	Iodine Value of Fatty Acids	155	-	-	D215

5.8 Resistance to Bleeding - There shall be no evidence of bleeding when a coat of 1-GP-60 white enamel is applied over a surface sealed with the stain that has dried 48 hours before application of the enamel. This test is not applicable to bright red shingle stain, such as Red 209-101, which may be a bleeding type.

Method 37.3

5.9 Resistance to Rubbing - When the stain is applied to red cedar panels and allowed to dry 48 hours, the cloth used in the specified test shall show not more than slight color pick-up due to rubbing.

Method 111.2

5.10 Accelerated Weathering - When applied to a red cedar test panel, the stain shall withstand an exposure period of fifteen 24-hour cycles in a twin-arc weathering machine with not more than a slight change in color.

Method 122.5

6. PREPARATION FOR DELIVERY

6.1 Unless otherwise specified, commercial packaging, packing and marking shall be acceptable.

6.2 Labelling - In addition to the labelling requirements of any relevant Acts or Regulations, each container shall be suitably labelled to show the following information:

Manufacturer's Name and Address
Name of Material
CGSB Specification No.
Color Description
Manufacturer's Batch No.
Manufacturer's Code No.
Date of Manufacture.

7. INSPECTION

7.1 Sampling - Sampling shall be carried out in accordance with Method 1.1 of CGSB 1-GP-71.

7.2 Testing - Unless otherwise specified, the methods of test shall be those in 1-GP-71 or in ASTM Standards on Paint, Varnish, Lacquer and Related Products, using the method specified with each requirement.

8. NOTES

8.1 Intended Uses

8.1.1 Stain complying with this specification is intended for use as a protective finish for exterior wood surfaces. It is recommended that at least two coats of the unreduced stain be applied to bare wood.

8.1.2 The stain may be applied by spraying or dipping. If bundled shingles are to be dipped, the bundle should first be slackened. The stain may be applied by brush if reasonable care is used during application.

8.1.3 Where attack by fungus is a problem, consideration should be given to the use of fungicides. For preparation of the surface and materials to be employed, users should be guided by the manufacturer's instructions.

8.2 Ordering Data

8.2.1 Purchaser should specify packaging, packing and marking if commercial practice is not suitable.

8.2.2 The purchaser should specify the type of wood on which the stain will be applied and should agree with the supplier on the color in which the stain is to be furnished.

8.3 Related CGSB Specification

1-GP-145, Stain: Pigmented, Exterior and Interior.

8.4 The publication referred to in 2.1.1 is obtainable from the CGSB Secretary.

8.5 The publication referred to in 2.1.2 is obtainable from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pa., 19103, U.S.A.

Correspondence regarding this specification should be addressed to the Canadian Government Specifications Board, c/o Department of Defence Production, Ottawa 4, Canada.