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1-GP-39
CANCELLATION
4 November 1954

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

ENAMEL UNDERCOATING - EXTERIOR
WHITE LEAD - ZINC OXIDE TYPE; WHITE AND GREY

CGSB Specification 1-GP-39, dated 9 October 1946 and
Amendments Nos. 1 and 2 dated 31 December 1951 and
30 June 1952 respectively is cancelled as of 4 November
1954.

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1-GP-39
9 October 1946
AMENDMENT No. 1
31 December 1951

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WHITE LEAD - ZINC OXIDE TYPE; WHITE AND GREY

2. GENERAL

Add the following:

"(c) The dried film shall be free from surface irregularities."

8. FINENESS

Add the following:

"(b) The fineness shall not be less than 4 when measured by the specified gage.

Method 16.1"

1-GP-39
9 October 1946
AMENDMENT No. 2
30 June 1952

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

ENAMEL UNDERCOATING; EXTERIOR
WHITE LEAD - ZINC OXIDE TYPE; WHITE AND GREY

4. CONSISTENCY

Change this requirement to read as follows:

"The consistency of the paint shall be not less than 75 Krebs Units and not more than 95 Krebs Units, as determined with the Stormer Viscosimeter.

Method 4.5"

REFERENCE COPY

No. 1-GP-39-1946
Issued 9 October 1946*
Superseding Issue of
12 December, 1944

CANADIAN GOVERNMENT PURCHASING STANDARDS COMMITTEE

Specification for
ENAMEL UNDERCOATING - EXTERIOR
White Lead-Zinc Oxide Type; White and Grey

1. Definition

This specification applies to undercoating paint suitable for exterior and marine use on primed or previously painted surfaces, preparatory to the application of enamel.

2. General

(a) The paint shall be of brushing consistency.

(b) It shall have good spreading and levelling properties, and shall dry with a minimum of gloss.

3. Colour

The paint shall be supplied in the following colours as defined in Schedule No. 1-GO-12:

No. 0, White

No. 31, Light Grey

Method 12.1

4. Consistency

The consistency shall be not less than 15, nor more than 45 seconds at 25°C. (77°F.) as determined by the Gardner Mobilometer.

Method 4.4

*5. Hiding Power

The paint shall hide a contrasting surface entirely when applied at a coverage of 600 sq.ft. per gallon for Colour No. 31, Light Grey, and of 400 sq.ft. per gal. for White, No. 0.

Method 14.1

6. Flash Point

The Pensky-Martens flash point of the paint shall be not lower than 35°C. (95°F.).

Method 3.1

7. Drying Time

The paint shall dry hard and ready for enamelling in not more than 10 hours.

Method 5.1

* Indicates change made in present revision.

No. 1-GP-39

*8. Coarse Particles

The paint shall not contain more than 0.2 per cent of material retained on a 74 micron sieve, nor more than 2.0 per cent retained on a 44 micron sieve. Method 15.1

9. Volatile Matter

(a) The content of volatile matter shall not exceed 25.0 per cent of the paint. Method 17.1

(b) The water content shall not exceed 1.0 per cent. Method 24.1

10. Pigment Content

The content of pigment shall be not less than 60 per cent by weight of the paint. Method 21.1

11. Pigment Composition

(a) The white lead content shall be not less than 50 per cent, and that of zinc oxide shall be not less than 30 per cent by weight of the pigment.

(b) The total of the white lead and zinc oxide shall be not less than 90 per cent by weight of the pigment. Method 50.6

*12. Flexibility

The dried film shall not crack nor peel when subjected to the bending test at 25°C. (77°F.), using a 1/4" diameter mandrel. Method 119.1

*13. Behaviour with Topcoats

When subjected to the enamel hold-out test, the finished system shall have uniform high gloss. Method 124.2

14. Methods of Sampling and Testing

(a) Sampling shall be carried out in accordance with section 1.1 of Schedule No. 1-GP-71: Methods of Testing Paints and Pigments.

(b) The methods of testing shall in all cases be those described in the same Schedule, using the methods specified in each requirement.

* Indicates change made in the present revision.

Correspondence regarding this specification should be addressed to the Secretary, Canadian Government Purchasing Standards Committee, National Research Council.