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1-GP-20
CANCELLATION
8 August 1958

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

VARNISH VEHICLE For ALUMINUM PAINT
Type II - for Exterior Use on Wood

CGSB Specification 1-GP-20, dated 3 September 1946, is cancelled as of 8 August 1958.

REFERENCE COPY

No. 1-GP-20-1946.

Issued 3 September 1946.*
Superseding Issue of 15 December, 1938.

CANADIAN GOVERNMENT PURCHASING STANDARD COMMITTEE

Specification for VARNISH VEHICLE for ALUMINUM PAINT Type 2 - for Exterior Use on Wood

Withdrawn/Retirée

1. Definition

The material required by this specification shall be a durable, water-resistant varnish which when mixed with aluminum pigment will produce a high-grade paint suitable for exterior use as a priming coat on wood.

2. General

(a) The varnish shall be transparent and homogeneous and shall dry to give a tough, flexible film.

(b) When it is thoroughly mixed with aluminum powder complying with Specification No. 1-GP-22, in the proportion of 2½ pounds of powder per gallon of vehicle, the resulting paint shall show satisfactory brushing and levelling properties, and shall not break or sag when applied to a vertical surface of smooth tin plate.

(c) The dry paint film shall be smooth, and shall have a brilliant lustre.

3. Colour

The colour shall not be darker than No.8, Union colorimeter. Method 12.4

4. Viscosity

The viscosity shall be not less than 0.65, nor more than 1.0 poises at 25°C. (77°F.). Method 11.1

5. Skinning

The varnish shall be "non-skinning". Method 10.1

6. Flash Point

The Pensky-Martens flash point of the varnish shall be not lower than 30°C. (86°F.). Method 3.1

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* Issued in present form with no change in the requirements.

7. Drying Time

The varnish shall set to touch in not more than 6 hours, and shall dry hard and tough in not more than 24 hours. Method 5.2

8. Non-volatile Matter

The content of non-volatile matter shall be not less than 45 per cent. Method 18.2

9. Water Resistance

The dried varnish film shall withstand immersion in water at 20-25°C. (68-77°F.) for 24 hours, and in boiling water for 15 minutes, without whitening or dulling. Method 110.2

10. Toughness

The varnish shall pass a 100 per cent Kauri reduction test at 25°C. (77°F.). Method 117.1

11. Acid Number

The acid number of the varnish shall not be greater than 12.

12. Leafing Properties

When the varnish is mixed with aluminum powder the mixture shall form a continuous brilliant surface film. Method 7.1

13. 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 specified in the same Schedule, using the methods specified in each requirement.

Withdrawn/Retiree

1-GP-20

3 September 1946*
Supersedes Issue of
15 December 1938

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

VARNISH VEHICLE for ALUMINUM PAINT
Type II - for Exterior Use on Wood

1. DEFINITION

The material required by this specification shall be a durable, water-resistant varnish which when mixed with aluminum pigment will produce a high-grade paint suitable for exterior use as a priming coat on wood.

2. GENERAL

(a) The varnish shall be transparent and homogeneous and shall dry to give a tough, flexible film.

(b) When it is thoroughly mixed with aluminum powder complying with Specification No. 1-GP-22, in the proportion of 2½ pounds of powder per gallon of vehicle, the resulting paint shall show satisfactory brushing and levelling properties, and shall not break or sag when applied to a vertical surface of smooth tin plate.

(c) The dry paint film shall be smooth, and shall have a brilliant lustre.

3. COLOR

The color shall not be darker than No. 8, Union colorimeter.

Method 12.4

4. VISCOSITY

The viscosity shall be not less than 0.65, nor more than 1.0 poises at 25°C. (77°F.).

Method 11.1

*Reprinted 15 August with no change in technical requirements.

Price 5 cents

Withdrawn/Retiree

5. SKINNING

The varnish shall be "non-skinning".

Method 10.1

6. FLASH POINT

The Pensky-Martens flash point of the varnish shall be not lower than 30°C. (86°F.).

Method 3.1

7. DRYING TIME

The varnish shall set to touch in not more than 6 hours, and shall dry hard and tough in not more than 24 hours.

Method 5.2

8. NON-VOLATILE MATTER

The content of non-volatile matter shall be not less than 45 per cent.

Method 18.2

9. WATER RESISTANCE

The dried varnish film shall withstand immersion in water at 20 to 25°C. (68 to 77°F.) for 24 hours, and in boiling water for 15 minutes, without whitening or dulling.

Method 110.2

10. TOUGHNESS

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Method 117.1

11. ACID NUMBER

The acid number of the varnish shall not be greater than 12.

12. LEAFING PROPERTIES

When the varnish is mixed with aluminum powder the mixture shall form a continuous brilliant surface film.

Method 7.1

Withdrawn/Retiree

13. 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 specified in the same Schedule, using the methods specified in each requirement.

Withdrawn/Retirée

Correspondence regarding this specification should be addressed to the Secretary, Canadian Government Specifications Board, National Research Council, OTTAWA, Canada.