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CANCELLATION
8 August 1958

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

VARNISH VEHICLE FOR ALUMINUM PAINT**
Type 3 - for High Temperature Use

CGSB Specification 1-GP-21, dated 3 September 1946, is cancelled as of
8 August 1958.

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Specification
for

VARNISH VEHICLE FOR ALUMINUM PAINT**
Type 3 - for High Temperature Use

1. DEFINITION

The material required by this specification shall be a varnish which, when mixed with aluminum pigment, will produce a high grade paint suitable for use on metals that are subjected to temperatures up to 400°C. (750°F.).

2. GENERAL

(a) When the varnish is thoroughly mixed with aluminum powder complying with Specification No. 1-GP-22, in the proportion of 3 lb. of powder per gallon of vehicle, the resulting finish shall show satisfactory brushing and levelling properties and shall not break or sag when applied to a vertical surface of smooth tin plate.

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

3. VISCOSITY

The viscosity shall not be greater than 0.50 poises at 25°C. (77°F.).

Method 11.1

4. FLASH POINT

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

Method 3.1

* Reprinted 20 August 1952 with no change in technical requirements.

** The stipulation that the varnish fulfill the requirements of the GAS TEST has been deleted.

5. DRYING TIME

The varnish shall dry hard and tough in not more than 16 hours.

Method 5.2

6. NON-VOLATILE MATTER

The varnish shall contain not less than 20 per cent non-volatile matter.

Method 18.2

7. HEAT RESISTANCE

When mixed with aluminum powder in the proportion specified the resulting paint shall show no discoloration when heated at 200°C. (392°F.), and shall withstand baking at 500°C. (932°F.).

Method 112.1

8. ACID NUMBER

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

Method 56.1

9. LEAFING PROPERTIES

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

Method 7.1

10. 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.

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