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1-GP-53
CANCELLATION
10 November 1955

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

ASPHALT VARNISH

CGSB Specification 1-GP-53, dated 8 December 1947 is cancelled
as of 10 November 1955.

1-GP-53
8 December 1947
AMENDMENT No. 1
30 June 1952

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

ASPHALT VARNISH
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3. CONSISTENCY

Change this requirement to read as follows:

"The consistency of the varnish shall be not less than 60 Krebs Units and not more than 85 Krebs Units, as determined with the Stormer Viscosimeter.

Method 4.5"

REFERENCE COPY

No. 1-GP-53-1947

Issued 8 December, 1947
Supersedes Issue of 8 March, 1943

CANADIAN GOVERNMENT PURCHASING STANDARDS COMMITTEE

Specification for ASPHALT VARNISH*

1. Definition

The material required by this specification shall be a black asphaltic varnish.

2. General

(a) The varnish shall consist essentially of a suitable grade of asphalt blended with drying oils and thinners.

(b) It shall be smooth, homogeneous and free from livering and stringiness.

(c) It shall be of brushing consistency and on application shall produce a smooth adherent coating with high gloss.

(d) If required by the purchaser the varnish shall conform to the test for resistance to acids, clause 13, below.

3. Consistency**

The consistency of the varnish shall be not less than 20 nor more than 50 seconds at 25°C. (77°F.), as determined by the Gardner mobilometer. Method 4.4

4. Flash Point

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

5. Drying Time

The varnish shall set to touch in not more than 3 hours and shall dry hard within 24 hours. Method 5.2

* The material covered by this specification is sometimes referred to as Black Japan.

** Indicates change in present revision.

2.

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6. Non-volatile Matter

The non-volatile portion shall be not less than 40 per cent of the varnish. Method 18.2

7. Fatty Matter

(a) The non-volatile portion shall yield not less than 20 per cent of fatty acids.

(b) The fatty acids shall remain liquid when maintained at 25°C. (77°F.). Method 63.1

8. Carbon Tetrachloride Insoluble

Matter insoluble in carbon tetrachloride (CCl_4) shall not exceed 1 per cent of the varnish. Method 72.1

9. Miscibility with Linseed Oil

The varnish shall mix readily and form a homogeneous mixture with an equal volume of raw linseed oil. Method 31.1

10. Flexibility

The dried varnish film shall not crack or peel sufficiently to expose any metal surface when subjected to the bending test using a 1/8" mandrel. Method 119.6

11. Water Resistance

The dried varnish film shall withstand cold water for 18 hours without visible damage such as dulling or softening. Method 110.7

12. Oil Resistance

The dried varnish film shall withstand light mineral oil for 2 hours without softening. Method 109.1

13. Acid Resistance

If required by the purchaser the dried varnish film shall withstand sulphuric acid, nitric acid, and hydrochloric acid, for 6 hours without showing any disintegration, browning of loss of lustre, and the metal covered thereby shall not show any corrosion. Method 105.1

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) Unless otherwise specified the methods of testing shall be those described in the same Schedule, using the methods specified in each requirement.

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