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1-GP-11
CANCELLATION
31 August 1956

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

ZINC OXIDE - PASTE IN OIL

CGSB Specification 1-GP-11, dated 14 March 1946 is cancelled as of
31 August 1956.

1-GP-11
14 March 1946
AMENDMENT No. 1
30 June 1952

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

ZINC OXIDE; PASTE IN OIL

CONSISTENCY

Change this requirement to read as follows:

"When mixed with raw linseed oil and turpentine in the proportions prescribed the consistency shall be not less than 70 Krebs Units and not more than 100 Krebs Units, as determined with the Stormer Viscosimeter.

Method 4.5"

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CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

ZINC OXIDE; PASTE IN OIL

1-GP-11*
14 March 1946
Supersedes Issue of
17 March 1942

1. Definition

The material required by this specification shall consist of finely divided zinc oxide ground in pure linseed oil.

2. General

The material shall be free from impurities and adulterants, and shall not be caked in the container.

3. Color

The color of the paste as received, when examined by means of the Lovibond tintometer, shall be as follows:

Blue component	0.1 maximum
Yellow component	0.2 maximum
Red component	0.0

Method 12.3

4. Consistency

When mixed with raw linseed oil and turpentine in the proportions prescribed, the consistency of the mixture shall be not less than 25 seconds at 25°C. (77°F.), as determined by the Gardner Mobilometer.

Method 4.3

5. Hiding Power

The dry hiding power of the mixture prepared as directed in the prescribed method shall be such that the brightness of the surface shall be not less than 70 per cent.

Method 14.3

* Reprinted 4 April 1952 with no change in technical requirements and with the incorporation of Correction No.1 dated 31 December 1951.

6. Volatile Matter

The portion of the paste volatile at 110°C.
(230°F.) shall not exceed 0.5 per cent.

Method 17.1

7. Coarse Particles

The paste shall contain not more than 0.5 per cent of material retained on a 74 micron sieve, nor more than 1.5 per cent retained on a 44 micron sieve.

Method 15.1

8. Linseed Oil

(a) The iodine number of the fatty acids derived from the paste shall be not less than 170.

(b) The test for mineral oil shall be negative.

Method 59.1

9. Pigment Content

The content of dry pigment shall be not less than 80 per cent by weight of the paste.

Method 21.1

10. Pigment Composition

(a) The pigment shall contain not less than 98 per cent zinc oxide.

Method 50.1

(b) The content of sulphide sulphur shall not exceed 0.2 per cent of the pigment.

Method 68.2

11. Methods of Sampling and Testing

(a) A 3-pound sample of paste shall be supplied for test, the sampling being carried out in accordance with section 1.3 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.

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