

1-GP-34E
1 June 1955
AMENDMENT NO. 1
1 December 1955

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Emergency Specification
for

PAINT; INTERIOR, FLAT, WHITE AND TINTED

In the date block in the upper right corner of page 1 change
"1 December 1955", to read "1 June 1956".

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1-GP-34E
1 June 1955
AMENDMENT NO. 2
1 June 1956

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Emergency Specification
for

PAINT; INTERIOR, FLAT, WHITE AND TINTED

In the date block in the upper right corner of page 1 change the
expiry date to read, "31 October 1956".

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

* Emergency Specification
for

PAINT; INTERIOR, FLAT, WHITE AND TINTED

1. DEFINITION

The requirements herein relate to first quality commercial interior flat paints, White and Tinted, normally used for decorating and protecting interior walls and ceilings of buildings.

2. GENERAL

a) The paint shall consist of a suitable pigment mixture adequately milled with drying oils, varnishes, or synthetic resins, or mixtures thereof, together with the necessary thinners and driers. Water reducible types of paints are prohibited.

b) The paint shall not have a disagreeable odor during or after application.

3. COLOR

The following standard colors appearing in Schedule No. 1-GP-12a are applicable to paints purchased under this specification: Grey 1-5, Blue 2-3, Green 3-5, Cream 6-4, Buff 7-2, and White 10-2.

In addition commercially available colors may be used where specified.

4. CONSISTENCY

The paint shall be of such consistency as to afford good brushing and flow out without the addition of thinner.

* This emergency specification has NOT been ratified by the Canadian Government Specifications Board nor the Committee on Specifications for Paints, Pigments and Related Commodities. Authority to issue this specification was delegated by the Committee to the chairman of the Subcommittee on Construction and Maintenance Paints on 25 May 1955.

5. GLOSS

The dried film shall show a specular gloss of not more than 15 units on a 60° Gardner gloss meter.

Method 13.1

6. FLASH POINT

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

Method 3.1

7. DRYING TIME

The paint must dry sufficiently so that it can be recoated satisfactorily with itself in 18 hours. No lifting, wrinkling or non-uniformity shall be permitted. In addition the film shall be completely dry for all normal handling in 24 hours.

8. COARSE PARTICLES

The paint shall have a grind of not less than 2 on the North Standard grind gauge.

Method 16.1

9. SKINNING

A freshly opened full container of the paint shall show no skinning. A partially filled container may only show skinning of a type which may be easily removed. In very objectionable cases the paint shall be rejected if it fails to pass the test in accordance with Method 10.1

10. FLEXIBILITY

The paint film shall have good flexibility and will not crack when subjected to flexibility test using the 1/2" mandrel.

Method 119.1

11. WASHABILITY

After 72 hours drying the paint film shall withstand normal removal of dirt and dust with mild soap and water without permanent damage to the film.

12. COLOR RETENTION

The paint film shall exhibit good resistance to color change.

13. KEEPING QUALITIES

When stored in the original unopened container, for not more than six months, and protected from extremes of temperatures, the paint after reasonable mixing and stirring shall show normal working qualities.

14. COMPREHENSIVE TEST

Any first quality flat paint certified or approved under the above emergency specification must in addition be subjected, at all times, by the manufacturer or at any time at the discretion of the testing authorities, to the following test:-

A 4 ft. x 4 ft. gyproc board mounted vertically for paint application is suitably sealed with a primer sealer meeting the requirements of 1-GP-68E and tinted to color Grey 1-5. After overnight drying an "x" mark of flat black paint (1-GP-49) of brushing consistency, is made across the diagonals of the panel from corner to corner, 6 inches in width. After overnight drying, the black diagonal cross shall be lightly sanded and feathered at its edges. A normal brush coat of flat paint (White or pastel shades only) is applied over the entire face of the panel. After eighteen (18) hours of drying a second coat of flat paint is applied covering from left to right horizontally 2-1/2 ft. of the face of the panel and covering the entire panel in the vertical direction. After five (5) minutes a lap-in coat is applied from right to left horizontally for 2-1/2 ft. and covering the entire panel in the vertical direction. This affords a lap-in area of one foot wide and four feet high. A three inch paint brush of good quality is specified for all paint application.

The above application is intended for testing and rechecking provisions - 2(b) odor - 4 suitable consistency, good brushability and flow-out; 5 - uniform low gloss; 7 - recoat time and drying time; 8 - absence of coarse particles, this affording a smooth uniform film; 11 - washability. In addition the following important properties will be determined.

a) Hiding - Whites and pastel colors shall exhibit complete uniform hiding - the contrast "x" cross shall not be discernible when the panel is viewed in normal daylight from five feet.

b) Flow out, lapping, sagging and uniformity- Good flow-out and absence of ridges and brush marks must be obtained. The lap-in area shall exhibit uniformity with the rest of the panel. No sagging, lifting, wrinkling, lack of uniformity or other film defects shall be discernible. The surface shall be smooth, uniform, of constant sheen and present an even attractive surface.

Failure to pass any of the above requirements shall be cause for rejection.

In the case of deep shade colors, the Primer Sealer employed shall be white and not gray as in the case for white and pastel colors.

15. CERTIFICATION

A certificate in the form of a letter of guarantee, from the Chief Chemist or Principal Officer of the manufacturing company must be supplied to Inspection Services, #8 Temporary Building, Ottawa, stating that the product meets the requirements of 1-GP-34E in every respect. In addition manufacturer's code and batch number are required.

16. METHODS OF SAMPLING AND TESTING

a) One quart of the first quality material representative of the shipment and taken therefrom is to be forwarded by the manufacturer to Inspection Services, #8 Temporary Building, Ottawa.

b) The methods of testing, wherever indicated, shall be carried out in accordance with 1-GP-71, Methods of Testing Paints and Pigments.

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