

ICS 87.040
CCS G 50



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 30648.4-2015

**Paints and varnishes -- Determination of resistance to liquids --
Part 4: Spotting methods**

色漆和清漆 耐液体性的测定 第4部分：点滴法

(English Translation)

Issued on: May 15, 2015

Implemented on: October 1, 2015

Issued by: Standardization Administration of China

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Foreword

GB/T 30648 "Paints and varnishes - Determination of resistance to liquids" is divided into the following five sections.

- Part 1. Immersion in liquids other than water;
- Part 2. Water immersion method;
- Part 3. Using the method of the absorbent medium;
- Part 4. drip method;
- Part 5. The oven has a temperature gradient method.

This section GB/T Part of 430,648.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted Law Amendment uses ISO 2812-4:2007 "Paints and varnishes - Determination of resistance to liquids - Part 4. Point Drop method. " this part of ISO 2812-4:2007 as compared to the existence of technical differences between the terms of these differences has been involved through its outer margins Vertical single-line position (|) have been marked, the list given in Appendix A corresponding technical differences and their causes.

This section also made the following editorial changes.

- Chapter 4 shall be renumbered column item;
- Increase the informative Appendix A, the ISO 2812-4:2007 Information in Appendix A to this standard informative Appendix B.

This part is proposed by the China Petroleum and Chemical Industry Association.

This part of the National Standardization Technical Committee and the pigment coating (SAC/TC5) centralized.

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1 Scope

GB/T 30648 provisions of this section using drip method to measure single coating or composite coating resistant to liquid or paste test fluid action General test methods.

The method can determine the effect of the test solution on the coating surface, or the extent of damage to the substrate.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 3186 Paints, varnishes and raw materials for paints and varnishes - Sampling (GB/T 3186-2006, ISO 15528:2000, IDT) GB/T 6682-2008 analytical laboratory use specifications and test methods GB/T 9271 Paints and varnishes - Standard panels for (GB/T 9271-2008, ISO 1514:2004, MOD) GB/T 9278 paint sample conditioning and testing temperature and humidity (GB/T 9278-2008, ISO 3270. 1984, IDT) GB/T 13452.2 Paints and varnishes - Determination of film thickness (GB/T 13452.2-2008, ISO 2808:2007, IDT) GB/T 20777 Paints and varnishes examination and preparation of samples (GB/T 20777-2006, ISO 1513:1992, IDT) the number and size of uniform appearance and degree of change ISO 4628-1 Paints and varnishes - Evaluation of degradation of coatings defects identified Part 1. General and identification system
(Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 1. Generalin-troductionanddesignationsystem) the number and size of uniform appearance and degree of change ISO 4628-2 Paints and varnishes - Evaluation of degradation of coatings defects identified Part 2. Evaluation of gassing
(Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 2. Assessment ofdegreeofblistering) Principle 3 the test sample droplets painted board, according to agreed criteria to assess the changes in the test area.

4 Equipment

Normal laboratory equipment and the following instruments.

--- Pipette. Pipette test for about 0.1mL of liquid;

- Buret. 50mL, suitable for testing liquid drops out;
- Dish. diameter 60mm, height 20mm.