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

中华人民共和国国家标准

GB/T 1741-2007

Replace GB/T 1741-1979 (1989)

**Test method for determining the resistance of
paints film to mold**

漆膜耐霉菌性测定法

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and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of
China**

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Foreword

This Standard takes the place of GB/T 1741-1979(1989) *Test Methods for Resistance of Paint Film to Mould*.

Main technological differences between this Standard and GB/T 1741-1979(1989) are:

- More rigorous form. This Standard is composed of eight chapters including scope, normative reference documents, terms & definitions, test principles, test conditions, preparation of mould strains & mixed mould spores (seeds) suspension, inspection procedure and result observation.
- Have modified the test methods and test time. The previous version chooses test method according to different test specimens, i.e. method A and method B, which are actually the same test method, i.e. culture dish method. The test duration is 14d. Test methods of this Standard include culture dish test and wet room suspension, and test duration is 28d.
- More demanding for instrument and equipment. This Standard adds some test equipment such as constant temperature and humidity incubator, hygrometer, mould spores fluid spraying box, biological safety cabinet and refrigerator.
- Have made requirements for preparing paint film.
- Selection of test strains is more scientific and better conforms to actual environment of use.
- Positive control and negative control tests are added to judge the reliability of the test.
- Have made regulations on spore concentration of spore suspension.
- Have increased durable mould proof test.
- Have modified the ranking method.

This Standard is proposed by China Petroleum and Chemical Industry Association.

This Standard is under the jurisdiction of the National Technical Committee of Paints &

Pigments for Standardization.

The responsible drafting organizations are: Guangdong Institute of Microorganism (Guangdong Detection Center of Microorganism); Changzhou Chemical Paint Institute of China National Chemical Construction Corporation (National Quality Supervision Testing Center for Paint).

The chief drafting staff of this standard includes: Peng Hong, Zhao Ling, Chen Yiben, Ouyang Yousheng and Xie Xiaobao.

Test method for determining the resistance of paints film to mold

1 Scope

This Standard specifies test methods and result assessments for resistance property of interior-wall and outer-wall paint film to mould of building paints.

Test of resistance of other paints films to mould can also be implemented with a reference to this Standard.

This test should be operated by person with certain microorganism knowledge.

This Standard applies to test the resistance of interior-wall and outer-wall paints film to mould. Test for resistances of other types of paints films to mould can also refer to this Standard.

2 Normative references

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 1727-1992 Methods of producing films of paints, varnishes, lacquers and related products on test panels

GB/T 3186 Paints varnishes and raw materials for paints and varnishes – Sampling (GB/T 3186-2006, ISO 15528: 2000, IDT)



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