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

GB/T 34681-2017

**Paints and varnishes -- Determination of the over-coatability
and re-coatability of a coating**

色漆和清漆 涂料配套性和再涂性的测定

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method identical with ISO 16927:2014 "Paints and varnishes paint matching and recoatability determination." the documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

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

--- GB/T 9271-2008 Paints and varnishes standard test panels (ISO 1514:2004, MOD)

--- GB/T 9275-2008 Paints and varnishes Buckard Holtz indentation test (ISO 2815:2003, IDT)

--- GB/T 9286-1998 cross-hatch test of paint and varnish film (eqvISO 2409.1992)

--- GB/T 9753-2007 Paints and varnishes cup test (ISO 1520:2006, IDT)

--- GB/T 9754-2007 Paints and varnishes - Determination of the specular gloss at 20 °, 60 ° and 85 ° of metallic paint-free paint films (ISO 2813:1994, IDT)

--- GB/T 9761-2008 Paints and varnishes paint visual colorimetric (ISO 3668:1998, IDT)

--- GB/T 13452.2-2008 Paints and varnishes - Determination of film thickness (ISO 2808:2007, IDT)

--- GB/T 20777-2006 Paints and varnishes sample inspection and preparation (ISO 1513:1992, IDT) this standard proposed by the China Petroleum and Chemical Industry Federation.

This standard by the National Coatings and Pigments Standardization Technical Committee (SAC/TC5) centralized.

1 Scope

The test methods specified in this standard are applicable to the testing of coating compatibility and recoatability. The coating is used to repair unaged or single-coated Multi-coating system in the installation process or after installation caused by the destruction of the area.

Due to the matching and recoatability can be tested under different conditions, this standard only provides a test condition and its basic parameters.

Existing single-coat or multi-coat systems are indicated by coat A, and the new single coat or multi-coat system is indicated by coat B. Paint the representation the method is similar.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 1513 Paints and varnishes - Examination and preparation of paints and varnishes - Examination and preparation ofttestsamples) ISO 1514 Paints and varnishes-Standardpanelsfortesting ISO 1520 Paints and varnishes Cupping test ISO 2409 Paints and Varnishes-Cross-cut Tests ISO 2808 Paints and varnishes - Determination of film thickness (Paintsandvarnishes-Determinationoffilmthick-ness ISO 2813 Paints and varnishes - Determination of the specular gloss at 20 °, 60 ° and 85 ° of metallic paint-free paint films (Paintsand varnishes-Determination of specific grain of non-metalic paint fill 20 °, 60 ° and 85 °) ISO 2815 Paints and varnishes Paints and varnishes - Buchholzindentation test ISO 3668 Paints and varnishes paint visual colorimetric (Paintsandvarnishes-Visualcomparisonofthecolour ofpaints) ISO 9117-5 Paints and varnishes - Drying tests - Part 5. Improved classes - Paints and varnishes -Dryingtests-Part 5: ModifiedBandow-Wolfftest) ISO 15528 Paints, varnishes and raw materials for varnishes and varnishes (Paints, varnishesandraw materialsfor paintsandvarnishes-Sampling)

3 Terms and definitions

The following terms and definitions apply to this document.

Recoatability the ability of the coating to accept the next single coat of the same coating.