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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 30981-2020

Limit of Harmful Substances of Industrial Protective Coatings

工业防护涂料中有害物质限量

(English Translation)

Issued on: March 4, 2020

Issued by: State Administration for Market Regulation;
Standardization Administration of China

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https://chinastandards.org/standards/gb-30981-2020

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1 Foreword

GB 30981-2020 was issued by State Administration for Market Regulation; Standardization Administration of China on 4 March 2020.

It is one of 3 parts of the GB 30981 series.

All the technical contents of this standard are mandatory.

--Implementation of this standard is added (see Clause 9).

This standard was proposed by and is under the jurisdiction of the Ministry of Industry and Information Technology of the People's Republic of China.

2 Scope

This standard specifies the product classification, requirements, test methods, inspection rules, marks for package and implementation of this standard involved in the allowable limit of harmful substances of industrial protective coatings to human body and the environment. This standard is applicable to various industrial protective coatings (except marine coatings) rather than the putty intended to protect metal, concrete, plastic and other surfaces. This standard does not apply to coatings for aerospace, nuclear power, military equipment and facilities.

3 Normative references

GB/T 1725-2007 - Paints, varnishes and plastics - Determination of non-volatile-matter content

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GB/T 3186 - Paints, varnishes and raw materials for paints and varnishes - Sampling

GB/T 6682-2008 - Water for analytical laboratory use - Specification and test methods

GB/T 6750-2007 - Paints and varnishes - Determination of density - Pyknometer method

GB/T 8170-2008 - Rules of rounding off for numerical values & expression and judgment of limiting values

GB/T 9750 - Marks for package of coating products

GB/T 9758.5-1988 - Paints and varnishes - Determination of "soluble" metal content - Part 5: Determination of hexavalent chromium content of the pigment portion of the liquid paint or the paint in powder form - Diphenylcarbohydrazide spectrophotometric method

GB/T 9760-1988 - Paints and varnishes - Preparation of acid extracts from paints in liquid or powder form

GB/T 23985-2009 - Paints and varnishes - Determination of volatile organic compound (VOC) content - Difference method

GB/T 23986-2009 - Paints and varnishes - Determination of volatile organic compound (VOC) content - Gas-chromatographic method

GB/T 23990-2009 - Determination of the contents of benzene, toluene, ethylbenzene and xylene in coatings by gas chromatography

GB/T 23992-2009 - Determination of chlorhydrocarbon content in coatings - Gas chromatographic method

GB/T 30647-2014 - Determination of harmful elements total content of coatings

GB/T 34675-2017 - Determination of volatile organic compound (VOC) content in radiation curable coatings

GB/T 34682-2017 - Determination of volatile organic compound (VOC) content in reactive diluent containing coatings

GB/T 36488-2018 - Determination of polycyclic aromatic hydrocarbons in coatings

4 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

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5 Related standards

Other parts of this standard:

GB 30981.1-2025 - Limit of harmful substances of coatings - Part 1: Architectural coatings

GB 30981.2-2025 - Limit of harmful substances of coatings - Part 2: Industrial coatings

6 Classification and status

Chinese Standard Classification (CCS): G 51

Prefix GB: mandatory standard.

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