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ICS 87.040
CCS G50

# NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# GB/T 21782.13-2009

## Coating powders - Part 13: Particle size analysis by laser diffraction

粉末涂料 第13部分：激光衍射法分析粒度

**(English Translation)**

**Issued on: July 2, 2026** **Implemented on: February 1, 2027**

**Issued by: State Administration for Market Regulation, Standardization Administration of China**

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https://chinastandards.org/standards/gb-t-21782-13-2009

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## 1 Foreword

GB/T 21782.13-2009 was issued by State Administration for Market Regulation, Standardization Administration of China on 2 July 2026 and has been in force since 1 February 2027.

It is one of 20 parts of the GB/T 21782 series.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

## 2 Scope Preview

GB/T 21782.13-2009 falls under ICS 87.040, in the field of paint and colour industries.

This catalogue holds 386 other GB/T standards in that field.

In this catalogue, GB/T standards carry edition years from 1963 to 2026.

## 3 About this standard

Sector: National Standard (Recommended)

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

English translation: about 8 pages (approximate)

Chinese original: about 11,150 characters



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## 4 Related standards

Other parts of this standard:

GB/T 21782.1-2008 - Coating powders - Part 1: Determination of particle size distribution by sieving

GB/T 21782.1-2025 - Coating powders - Part 1: Determination of particle size distribution by sieving

GB/T 21782.2-2008 - Coating powders - Part 2: Determination of density by gas comparison pycnometer (referee method)

GB/T 21782.2-2025 - Coating powders - Part 2: Determination of density by gas comparison pycnometer(referee method)

GB/T 21782.3-2008 - Coating powders - Part 3: Determination of density by liquid displacement pycnometer

GB/T 21782.3-2025 - Coating powders - Part 3: Determination of density by liquid displacement pycnometer

GB/T 21782.4-2008 - Coating powders - Part 4: Calculation of lower explosion limit

GB/T 21782.4-2025 - Coating powders - Part 4: Calculation of lower explosion limit

GB/T 21782.5-2010 - Coating powders -- Part 5: Determination of flow properties of a powder/air mixture

GB/T 21782.7-2008 - Coating powders - Part 7: Determination of loss of mass on stoving

GB/T 21782.7-2026 - Coating powders - Part 7: Determination of loss of mass on stoving

GB/T 21782.8-2008 - Coating powders - Part 8: Assessment of the storage stability of thermosetting powders

GB/T 21782.8-2025 - Coating powders - Part 8: Assessment of the storage stability of thermosetting powders

GB/T 21782.9-2010 - Coating powders -- Part 9: Sampling

GB/T 21782.10-2008 - Coating powders - Part 10: Determination of deposition efficiency

GB/T 21782.10-2025 - Coating powders - Part 10: Determination of deposition efficiency

GB/T 21782.11-2010 - Coating powders -- Part 11: Inclined-plane flow test

GB/T 21782.12-2010 - Coating powders -- Part 12: Determination of compatibility

GB/T 21782.14-2010 - Coating powders -- Part 14: Terminology

Other editions:



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GB/T 21782.13-2026 (later edition)

Standards on related subjects:

GB/T 23988-2009 - Determination for abrasion resistance of - Coatings by falling abrasive

GB/T 23987-2009 - Paints and varnishes -- Exposure of coatings to artificial weathering -- Exposure to fluorescent UV lamps and water

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

## 5 Classification and status

International classification (ICS): 87.040

Chinese Standard Classification (CCS): G 50

Prefix GB/T: recommended standard.



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