

ICS 25.220.10

CCS A 29



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

GB/T 17850.5-2017

**Preparation of steel substrates before application of paints and
related products -- Specifications for non-metallic
blast-cleaning abrasives -- Part 5: Nickel refinery slag**

涂覆涂料前钢材表面处理 喷射清理用非金属磨料的技术要求 第5部分：镍精炼渣
(English Translation)

Issued on: December 29, 2017

Implemented on: July 1, 2018

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China, Standardization
Administration of the People's Republic of China**

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Foreword

GB/T 17850 "coating of steel surface treatment before jet cleaning non-metallic abrasive technical requirements" is divided into the following sections.

- Part 1. Guidelines and classification;
- Part 2. Silica sand;
- Part 3. Copper refining slag;
- Part 4. Coal slag;
- Part 5. Nickel refining slag;
- Part 6. Ironmaking slag;
- Part 7. Molten alumina;
- Part 8. Olivine sand;
- Part 9. Cross stone;
- Part 10. Garnet;
- Part 11. Steel slag special sand.

This section GB/T 17850 Part 5.

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

This section uses the translation method identical with ISO 11126-5:1993 "before coating the steel surface treatment jet cleaning non-metallic grinding Technical requirements for the material Part 5. Nickel refining slag".

The documents of our country that are consistent with the corresponding international documents that are normative references in this section are as follows.

- GB/T 17849-1999 steel coating before coating surface treatment spray cleaning non-metallic abrasive test method (eqv ISO 11127:1993).

This section made the following editorial changes.

--- In 6.1 to add a two-level bar.

This part is proposed by China State Shipbuilding Corporation.

This part of the National Coatings and Pigments Standardization Technical Committee paint before the metal surface treatment and painting technology sub-Technical Committee (SAC/TC5/SC6) centralized.

This part of the drafting unit. China Shipbuilding Technology and Economy Institute, Zibo Daya Metal Technology Co., Ltd., Shanghai Metallurgical Environmental Engineering Technology Co., Ltd., China Shipbuilding Industry Corporation XI Institute.

1 Scope

GB/T 17850 provisions of this part of jet cleaning nickel refining slag abrasive particle size range, apparent density, Mohs hardness, containing Water, water conductivity and conductivity of water-soluble chloride content.

The requirements specified in this section applies only to unused abrasive, does not apply to used abrasive.

Test methods for jet cleaning non-metallic abrasives are given in the various sections of ISO 11127.

Note 1: The commonly referenced standards for non-metallic abrasives in the world are given in Appendix A.

Note 2: Although this part of GB/T 17850 is developed to meet the requirements of steel surface treatment, but also applies to the use of jet cleaning technology to deal with other the surface or part of the material. These rules are given in ISO 8504-2:20001) "Coating of steel surface treatment before the second part of the surface treatment methods Minutes. Abrasive jet cleaning "is given.

1) This standard is ISO 8504-2:1992 in ISO 11126-5:1993. GB/T 18839.2-2002 modified to use ISO 8504-2:2000.

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.

Preparation of steel substrates before application of paints and related products - Test methods for non - metallic blast - cleaning abrasives - Part 1. ISO 11127-1-1993.

Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 1: Sampling) Preparation of steel substrates before application of paints and related products - Test methods for non - metallic blast - cleaning abrasives - Part 2. ISO 11127-2-1993.

Determination of particle size distribution

(Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 2: Determination of particle size distribution) Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 3. ISO 11127-3-1993.

Determination of apparent density

(Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 3: Determination of apparent density) Preparation of steel substrates before application of coatings - Test methods for surface treatment of nonmetal abrasives for jet cleaning - Part 4.

Evaluation of hardness by water glass slide test

(Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 4: Assessment of hardness by a glass slide test) Preparation of steel substrates before application of paints and related products - Test methods for nonmetal abrasives for jet cleaning - Part 5. ISO 11127-5-1993.

Determination of water content

(Preparation of steel substrates before application of paints and related products - Test