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

GB/T 17850.1-2017

**Preparation of steel substrates before application of paints and related
products -- Specifications for non-metallic blast-cleaning abrasives --
Part 1: General introduction and classification**

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1部分：导则和分
类

(English Translation)

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Table of Contents

- Foreword
- 1 Scope
- 2 Terms and definitions
- 3 Categories
- 3.1 Abrasive type

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 1.

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

This Part Replaces GB/T 17850.1-2002 "before coating the steel surface treatment spray cleaning non-metallic abrasive technical requirements Guidelines and Categories. " This section compared with GB/T 17850.1-2002, the main technical changes are as follows.

- Modify the abrasive type, an increase of steel slag special abrasive (see 3.1, 2002 version 3.1);
- Modify the format of the "Marking" chapter to be equivalent to the provisions of ISO

11126-1:1993 (see Chapter 4, 2002 edition, Chapter 4).

This section uses the redrafted law Amendment uses ISO 11126-1:1993 "before coating the steel surface treatment jet cleaning with non-gold Abrasive technical requirements Part 1. Guidelines and classification ". This section compared with ISO 11126-1:1993, technical differences.

--- Abrasive classification, an increase of the currently widely used steel slag special sand non-metallic abrasive type.

This part is proposed by China State Shipbuilding Corporation.

This part of the National Paint and Pigment Standardization Technical Committee paint before the metal surface treatment and painting technology sub-technical committee (SAC/TC5/SC6).

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1 Scope

GB/T 17850 provisions of this part of the coating before spraying the surface of steel cleaning non-metallic abrasive classification and marking.

This section applies to unused abrasive, does not apply to used abrasive.

Note Although this part of GB/T 17850 is formulated 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 11126-1:1993. GB/T 18839.2-2002 modified to use ISO 8504-2:2000. spray See Annex A for international standards for cleaning metallic and non-metallic abrasives.

2 Terms and definitions

The following terms and definitions apply to this document.

Blast cleaning abrasive Solid material for abrasive jet cleaning.

Abrasive jet cleaning abrasiveblast-cleaning High-energy abrasive flow impact surface to be cleaned surface treatment methods.

Shot

The main shape is circular, its length is not more than twice the width of the largest particles, and no edges, broken sections and other sharp surface defects particle.

Grit

The main shape is angular, with broken and sharp edges, and with a cross-sectional dimension less than half the cross-section.

3.1 Abrasive type

Abrasive blasting abrasive materials, sources or manufacturing methods should be classified. Commonly used in steel surface treatment jet cleaning with non-metallic abrasive see