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

GB/T 17850.11-2011

**Preparation of steel substrates before application of paints and
related products - Specifications for non-metallic blast-cleaning
abrasives - Part 11: Special type grit of steel 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11部分：钢渣特
种型砂

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Quarantine of the People's Republic of China;
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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Abrasive mark

Foreword

GB/T 17850 "steel substrates before application of paints and non-metallic blast - cleaning abrasives" is divided into the following sections.

- Part 1. introduction and classification;
- Part 2. silica sand;
- Part 3. Copper refinery slag;
- Part 4. Coal furnace slag;
- Part 5. Nickel refinery slag;
- Part 6. Iron furnace;
- Part 7. Fused aluminum oxide;
- Part 8. Olivine sand;
- Part 9. Cross stone;
- Part 10. garnet;
- Part 11. Special steel slag sand. This section GB/T 17850 Part 11. This section drafted in accordance with GB/T 1.1-2009 given rules. This part is proposed by the China State Shipbuilding Corporation. This part of the National Standardization Technical Committee before painting and metal surface treatment and painting processes Technical Committee paint pigment (SAC/TC5/SC6) centralized. This section is drafted. 11th Institute of China Shipbuilding Industry, Technical and Economic Research Institute of China Shipbuilding Industry, MCC Baosteel Technology Services Limited. The main drafters of this section. Fu Jianhua, Song Yanyuan, Li Li, Jiang Feng, Cao Chunguang, Zhang Jian, Jin Qiang, Yang Gang, Han Yi, Su Jian, Wang Youqin. Before application of paints and surface treatment of steel Technical requirements for non-metallic blast - cleaning abrasives Part 11. Special steel slag sand Warning. For the surface treatment used equipment, materials and abrasive, if not careful, may be hazardous. Many countries in the use of During or after use

(waste management) that the presence of hazardous materials and abrasives such as. free silicon, carcinogenic or toxic substances, provisions are made. Therefore, compliance with these requirements. It is important to ensure that appropriate guidance be given and all precautions required to be implemented.

1 Scope

GB/T 17850.11-2011 is the Chinese national standard on preparation of steel substrates before application of paints and related products - specifications for non-metallic blast-cleaning abrasives - part 11: special type grit of steel slag, in the field of manufacturing engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 June 2012. Classification: ICS 25.220.10, CCS A29. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 17850 provisions of this part of the special steel slag sand blast - cleaning abrasive particle size range, the apparent density, Mohs hard Degree, water content, conductivity of liquid flooding, water-soluble chloride content and particulate adsorbate content. The requirements of this provision apply only to non abrasive used, does not apply to used abrasive. Test methods for non-metallic blast - cleaning abrasives - see GB/T 17849.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 17849 steel substrates before application of paints and spray cleaning up non-metallic abrasives Test methods (ISO 11127-1 ~ ISO 11127-7)

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Special steel slag sand specialtypegritofsteelslag An injection - cleaning synthetic minerals, non-metallic abrasives. With steel smelting slag obtained through primary granulation, drying, sieving, with or without Mechanical pulverization treatment made of. The main ingredient is calcium silicate, calcium ferrite phase and RO (divalent metal oxide

solid solution).

3.2 Adsorption of particles content particleadsorptioncontent Adsorbed on special sand slag powder particles surface proportion of the total mass of sand.

4 Abrasive mark

Special abrasive sand slag should use the "abrasive GB/T 17850" and represents a non-metallic abrasive sand slag special initials "N/SFE" to mark, followed by the labeling requirements for later grit particle shape of the symbol "G", the final particle size dimension in millimeters Fan Wai number (see Table 1). Example. Abrasive GB/T 17850N/SFE/G0.5-1.0