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CCS F01



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

GB 30183-2013

**The norm of energy consumption per unit product of rock/slag
wool**

岩棉、矿渣棉及其制品单位产品能源消耗限额

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Foreword

4.2 of this standard are mandatory, the rest are recommended. This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard by the National Development and Reform Commission Resource Conservation and Environmental Protection, the Ministry of Industry and Information Technology Energy Saving and Comprehensive Utilization Department proposed. This standard by the National Standardization Technical Committee for Energy and Management (SAC/TC20) and China Building Materials Federation focal point. This standard was drafted. Nanjing Fiberglass Research and Design Institute, Nanjing Tong-day rock wool Limited. The main drafters of this standard. Wang Liting, Zhaoyan Juan, Wang Jiaqing. Rock wool, slag wool and their products unit product Energy consumption per

1 Scope

GB 30183-2013 is the Chinese national standard on the norm of energy consumption per unit product of rock/slag wool, in the field of energy and heat transfer engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 31 December 2013 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 December 2014. Classification: ICS 27.010, CCS F01. 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.

This standard specifies the rock wool, slag wool and their products unit product energy consumption (hereinafter referred to as energy) technical requirements limit, the scope of statistics And calculation methods and energy management measures. This standard applies to rock wool, slag wool and their calculated energy products manufacturing enterprises, assessment, and control of energy consumption of new projects. This standard does not apply to shell, metal surface rock wool, slag wool sandwich panels and other deep-processing enterprises.

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 2589 General Principles of comprehensive energy consumption calculation

GB/T 4132-1996 insulation materials and related terms

GB/T 5480 Test methods for mineral wool and its products

GB/T 11835 Rock wool, slag wool and their products

GB/T 12723 General preparation unit product energy consumption

GB 17167-2006 energy use per unit of energy measuring instruments and General Manager

GB 18613 small and medium three-phase asynchronous motor energy efficiency limit value and energy efficiency rating

GB 19153 displacement air compressors energy efficiency limit value and energy efficiency rating

GB/T 19686 building with rock wool, slag wool insulation products

GB 19761 fan energy efficiency limit value and energy efficiency rating

GB 19762 water pump energy efficiency of limited value and energy conservation evaluation values

GB 20052-phase distribution transformer energy efficiency limit value and energy efficiency rating

GB/T 24851-2010 building materials industry energy measuring instruments and management requirements

3 Terms and Definitions

GB/T 4132-1996, GB/T 5480, GB/T 11835, GB/T 19686, GB/T 25975 and GB/T 12723 as defined in And the following terms and definitions apply to this document.

3.1 Rock wool, slag wool products and comprehensive energy consumption
thecomprehensiveenergyconsumptionofrockwool, slagwoolandtheirproducts In rock wool, slag wool and their products during the whole process of production statistics for a variety of production systems and auxiliary production systems actually consumed Total energy.

3.2 Rock wool, slag wool and their products per unit of product than the comprehensive energy consumption thecomparablecomprehensiveenergyconsumption
perunitproductofrockwool, slagwoolandtheirproducts In the statistical period per tonne rock wool, slag wool and their products converted into standard coal in energy consumption, with acidity coefficient of

1.6 Rock wool board, felt as a benchmark. In products outside the reference range of energy consumption in order to convert the value of product type and acidity correction coefficient to Acidity coefficient of

1.6 of rock wool board, the same as the reference energy felt after consumption.

3.3 Rock wool, slag wool and their products melt coke consumption
themoltencokeconsumptionofrockwool, slagwoolandtheirproducts In the production of rock wool, slag wool and their products statistics during the whole production process for the production of systems and auxiliary production systems actually consumed The total amount of coke.

3.4 Rock wool, slag wool and their products comparable melt coke consumption
thecomparablemoltencokeconsumptionperunitproductof rockwool, slagwoolandtheirproducts In the statistical period per tonne rock wool, slag wool and its products converted into standard coal consumption of coke in acidity coefficient of

1.6 Rock wool board, felt as a benchmark. Outside the reference range of products in coke consumption to melt acidity value of the correction factor to convert the acidity factor of 1.4

1.6 of rock wool board, the same reference molten felt after coke consumption. 4. Technical Requirements

4.1 rock wool, slag wool and their products unit energy consumption limit Existing rock wool, unit product energy consumption limits slag wool and their products companies include rock wool, slag wool and their products fully comparable unit product Combined energy consumption and comparable melt coke consumption, its value should be defined in accordance with Table 1. Table 1 rock wool, slag wool and their products unit energy consumption limit Rock wool, slag wool and their products per unit of product than the comprehensive energy consumption limits / (Kgce/t) Rock wool, slag wool and their

products per unit of product than the melting coke consumption limit / (Kgce/t) ≤ 490.0
 ≤ 260.0

4.2 rock wool, slag wool and their products access to the energy consumption per unit of product value New and expansion rock wool, unit energy consumption value slag wool and their access to enterprise products include rock wool, slag wool and their products unit product Comparable comprehensive energy consumption and comparable melt coke consumption, access to its value should be in accordance with Table 2. Table 2 rock wool, slag wool and their products access to the energy consumption per unit of product value Rock wool, slag wool and their products per unit of product than the comprehensive energy consumption value Access / (Kgce/t) Rock wool, slag wool and their products per unit of product than the melting coke consumption admittance value / (Kgce/t) ≤ 450.0 ≤ 240.0

4.3 rock wool, slag wool and their products unit energy consumption of advanced value Rock wool, slag wool and their products and technological transformation of enterprises should strengthen energy conservation through energy management to achieve Table 3 advanced unit energy consumption value. Table 3 rock wool, slag wool and their products unit energy consumption of advanced value Rock wool, slag wool and their products unit product energy consumption of comparable advanced integrated value / (Kgce/t) Rock wool, slag wool and their products per unit of product than the melting coke consumption advanced value / (Kgce/t) ≤ 400.0 ≤ 210.0

5 energy consumption statistics and computational methods

Statistics energy range

4 Pi ci (3) Where. eco

--- rock wool, slag wool and their products per unit of product than the melting coke consumption in kilograms per tonne of coal equivalent (kgce/t); Ek

--- rock wool, slag wool and their products melted coke consumption per unit of product, in kilograms of standard coal (kgce).

6 and energy management measures

6.1 basic management of energy-saving

6.1.1 The company should regularly consumed per unit of product produced in the amount of fuel and electricity consumption assessment, the establishment of energy accountability.

6.1.2 The company should be required to establish energy consumption statistics system, the establishment of the energy consumption test data, energy calculation and assessment results document files, and Controlled management of files.

6.1.3 the company should be equipped with energy measurement apparatus according to GB 17167-2006, GB/T 24851-2010 requirements and to establish energy meter Traffic