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

GB/T 13545-2014

Replacing GB 13545-2003

Fired hollow bricks and blocks

烧结空心砖和空心砌块

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and definitions 4 product categories, size, grade and mark 1.....	5
10 Annex B (informative) sintering hollow bricks and block diagram illustrating	11

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB 13545-2003 "sintering hollow bricks and blocks." This standard and GB 13545-2003 "sintering hollow bricks and blocks," compared to the main changes are as follows:

--- The sludge, construction waste and other solid waste materials included in the scope of brick;

--- Canceled superior products, first-class products, qualified quality grade requirements;

2.5 intensity level;

--- Canceled the joint determination of the strength and density;

--- Increasing the requirements and pass the wall of the hole;

--- Cancellation 3h absorption requirements;

--- Increase 5h boiling water absorption requirements;

--- Will receive constant compressive strength f_k value of $K =$

1.8 is adjusted to $K = 1.83$, in order to promote and improve the uniformity of the strength of the product;

--- Increased due to the brick (block), crisp brick (block) detection;

--- Increase in Appendix B sintered hollow bricks and block schematic diagram. The standard proposed by China Building Materials Federation. This standard by the national wall, roof and road construction materials Standardization Technical Committee (SAC/TC285) with centralized. This standard is drafted by: China Building Materials Certification & Inspection Group Co., Ltd. in Xi'an, Xinjiang Urban Construction (Group) Co., Ltd. Participated in the drafting of this standard. Building Materials Research and Design Institute of Gansu Province, Tianyuan Construction Group Co., Ltd., Nanjing Xin Xiang new supplies Limited liability company, building materials product quality supervision, inspection,

Guizhou Province, Shanghai Xin Jing Shan detect Development Co., Limited Hunan Branch-MATERIALS Secretary, Guilin-Hong Branch New Building Materials Co., Zibo skill Machinery Manufacturing Co., Ltd., Nanjing Shuangyang Building Material Machinery Manufacturing Co., Ltd., co Chong Machinery (Hangzhou) Co., Ltd. Shuangyashan Oriental Wall Material Group Co., Ltd. Shaanxi Baoshen Machinery (Group) Co., Ltd., Zibo Lu and building materials Limited liability company, Shandong New Building Material Co. kaolinite. The main drafters of this standard. Lin Ling, Zhu Yijun, Cai Xiaobing, Zhou Wan Ning, Li Zheng, Jiangde Yong, Chang Hao, Ren Ping will, Yan Gang, Wang Hui, Jiang Tao, Cheng Wei phase, Ao Zhiping, Chen Wenguang, to pay security, Xia Lina, Renzeng Mao, Gao Ling, Zhong Liming, Chai Changqing, Xie and roots Chenke Wen, Gao Hua, Li Jing, Lin Yongchun, Fang Sheng whole, Wu Zhenghong, Shao repair, Wang Jun, Shen Yuan Gang, Rick election, yet the country, Yang Bo, Song Xuhui, week-hyun. This standard replaces the standards previously issued as follows:

--- GB 13545-1992, GB 13545-2003. Sintered hollow bricks and blocks

1 Scope

GB/T 13545-2014 is the Chinese national standard on fired hollow bricks and blocks, in the field of construction materials and building. 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 24 June 2014 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 February 2015. Classification: ICS 91.100.15, CCS Q15. 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 sintered hollow bricks and blocks of terms and definitions, product type, size, grading and labeling, technical requirements, test Methods, inspection rules, marking, packaging, transportation and storage. This standard applies to clay, shale, coal gangue, fly ash, sludge (rivers, lakes and other sludges), construction waste and other solid waste As the main raw material, roasting, mainly used for building non-load-bearing parts of hollow bricks and blocks (hereinafter referred to as hollow bricks and Block).

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. Test methods for wall GB/T 2542 puzzle

GB 6566 building materials radionuclide limits

GB/T 18968 wall material terms JC/T 466 Wall bricks inspection rules

3 Terms and Definitions

GB/T 18968 and JC/T 466 terms and definitions apply to this document defined. 4 product categories, size, grade and mark

4.1 Category Press the main raw material into clay hollow bricks and blocks (N), shale hollow bricks and blocks (Y), coal gangue hollow bricks and masonry Block (M), fly ash hollow bricks and blocks (F), sludge hollow bricks and blocks (U), construction waste hollow bricks and blocks (Z), which His solid waste hollow bricks and blocks (G).

4.2 Specifications

4.2.1 hollow bricks and blocks of rectangular hexahedral shape (see Figure 1), mixing with water wall with hollow bricks and blocks, and surfaces and should Omo Stucco is provided with grooves uniformly distributed or similar structure, depth of not less than 2mm.

4.2.2 hollow bricks and blocks of length, width and height dimensions shall comply with the following requirements.

--- Size Length (mm). 390,290,240,190,180 (175), 140;

--- Size Width (mm). 190,180 (175), 140,115;

--- Height Size (mm). 180 (175), 140,115,90. Other sizes are determined by supply and demand sides negotiated.