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

GB/T 11968-2020

Replacing GB 11968-2006

Autoclaved aerated concrete blocks

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 11968-2006 "Autoclaved Aerated Concrete Blocks", compared with GB/T 11968-2006, except for editorial revisions The main technical changes of the external change are as follows:

---The block grade is deleted (see

4.3 in the.2006 edition);

---Added product classification, divided into type I and type II, and size deviation and appearance quality requirements (see 4.1.1,

---Deleted A7.5, A

10.0 intensity level and B08 dry density level (see

4.2 in the.2006 edition);

--- Modified the classification based on compressive strength and dry density to classification based on compressive strength (see 6.3, 6.2,

6.4 of the.2006 edition);

--- Modified the regulations on sampling batches for factory inspection (see 8.2.2.1,

8.2.2.1 of the.2006 edition). This standard was proposed by the China Building Materials Federation. This standard is under the jurisdiction of the National Cement Products

Standardization Technical Committee (SAC/TC197). Drafting organizations of this standard. China Aerated Concrete Association, Tongji University, Zhejiang Kaiyuan New Wall Material Co., Ltd., Nanjing Xujian New Building Materials Co., Ltd., Changxing Yitong Co., Ltd., Anhui Keda Electromechanical Co., Ltd., Huzhou Huineng New Material Technology Co., Ltd., Guangzhou Development Zhan Environmental Protection Building Material Co., Ltd., Shan Dongjing Bo Environmental Protection Material Co., Ltd., Zhejiang Yuanzhu Housing Industrialization Co., Ltd., Tianjin Building Material Production Quality Supervision and Testing Center, Jiangsu Ningguo Wear-resistant Materials Co., Ltd., Zhoushan Quality and Technical Supervision and Testing Institute, Zhoushan Hongye Environmental Protection Materials Materials Co., Ltd., Zhejiang Tianda Environmental Protection Co., Ltd., Fujian Qunfeng Machinery Co., Ltd., Jiangshan Tianshun Building Material Co., Ltd., Changzhou Construction Building Materials Research Institute Co., Ltd., Zhejiang Hangjia Zetong Building Energy-saving New Materials Co., Ltd., Zigui County Runchu New Building Materials Co., Ltd., Yunfu Beirong Building Material Co., Ltd., Guangxi Lulin Building Material Technology Co., Ltd., Zhejiang Dexin New Material Co., Ltd., Yanshi Huatai Comprehensive Co-utilization Building Materials Co., Ltd., Zhejiang Architectural Design and Research Institute Co., Ltd., Shaanxi Ningyuan New Material Technology Co., Ltd., Changzhou Jiangshan New Building Materials Co., Ltd., Zhejiang Fengzhong Building Material Technology Co., Ltd., Guangxi Construction Engineering Group Construction Industry Investment Co., Ltd. Company, Zhejiang Hengzun New Material Technology Co., Ltd., Hubei Chufeng Construction Technology Group Jingzhou Kaiyuan New Material Co., Ltd. The main drafters of this standard. Jiang Yong, Su Yufeng, Cheng Caiyuan, Lu Jie, Chen Hongping, Deng Suping, Yang Yongquan, Chen Xinjiang, He Tieming, Lai Shaozhong, Cai Ke, Zhou Jianguo, Wang Mingjun, Liu Yi, Zhang Song, Ren Xiande, Bai Xiqing, Wang Qiang, Tian Senyue, Li Cunjun, Wang Quansheng, Xu Qinghui, Deng Yuewei, Zhang Benjian, Wang Hong, Dai Xiaojun, Xiong Haidong, Zhang Xiaohai, Liu Yangguo, Cai Xiayang, He Zhiang, Liu Yang, Chen Haiming, Ma Yingjie, Li Wenzhi, Huang Hong, Wu Kai, Zhang Hui, Zhang Yexin, Sun Zhengyi, Hu Rong, Zhu Ruisheng. The previous versions of the standard replaced by this standard are as follows:

---GB 11968-1989, GB/T 11968-1997, GB/T 11968-2006. Autoclaved aerated concrete block

1 Scope

GB/T 11968-2020 is the Chinese national standard on autoclaved aerated concrete 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 29 September 2020 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 August 2021. Classification: ICS 91.100.30, CCS Q14. 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 classification, specifications and markings, raw materials, requirements, inspection methods, inspection rules, storage and marking of autoclaved aerated concrete blocks. Transport and product quality certificates. This standard applies to autoclaved aerated concrete blocks used in civil and industrial buildings.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article. For undated references, the latest version (including all amendments) applies to this document.

GB 175 General Portland Cement

GB/T 2085.2 Aluminum powder Part

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Autoclaved aerated concrete; AAC Using siliceous materials and calcium materials as the main raw materials, adding gas-generating agents and other adjusting materials, pouring, gas-gassing and cutting Porous light silicate building products made by cutting, autoclaved curing and other processes.

3.2 Rectangular block material used for wall masonry in autoclaved aerated concrete.

3.3 Dry density The mass per unit volume measured by baking to a constant mass at a temperature of 105°C.

3.4 Dimensional effect coefficient The ratio of the compressive strength of the non-standard size specimen to the standard cubic specimen (100mmx100mmx100mm).