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

GB/T 8239-2014

Normal concrete small blocks

普通混凝土小型砌块

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Quarantine;
Standardization Administration of the PRC**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB 8239-1997 "ordinary small concrete hollow block." This standard compared with GB 8239-1997, the main changes are as follows:

--- Increasing the content of solid blocks.

--- Increased Chapter

3 Terms and definitions.

--- Cancel the original standard deviation classification by size and appearance quality; This standard block hollowness, use of the product division Class (1997 version 4.1.1, this version 4.2).

--- Block intensity level canceled MU

3.5 level; increased MU25, MU30, MU35 and MU40 level (1997 edition 4.1.2, this version 4.2); press hollowness, use concrete blocks, redrawing strength rating requirements.

--- Modify the size deviation, appearance quality and frost resistance index (6.1.4,6.2,6.6 1997 edition, this edition 6.1,6.2,6.8).

--- Canceled impermeability, increased water absorption, drying shrinkage linear indicators (1997 version 6.5, this version of 6.6,6.7).

--- Increased block radionuclide limit requirement (Excerpts 6.11). 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: Henan Building Materials Research and Design Institute Co., Ltd., China Building Block Association. Participated in the drafting of this standard. new Xingyu Construction Group Co., Ltd., Beijing Rui Tuke Technology Development Co., Ltd., Pingdingshan Shenma Construction Engineering Group Pingdingshan Fuxing Modern Building Material Co., Ltd., Beijing Jinyang New Building Materials Co., Ltd., Hai Suke Building Technology Development Co., Ltd., China Construction Materials Science Research Institute, Harbin Institute of Technology, Building Materials Quality Supervision

and Inspection Institute of Guizhou Province, Gansu Academy of Civil Engineering, Jiangsu Yang Construction Group Co., Ltd., National Engineering Research Center for housing and residential environment, energy-saving materials Maple Anhui Co., Ltd., Shanghai Hai Building Materials Co. puzzle. The main drafters of this standard. Chen Hongjun, Chen Shengqiang, Du Jiandong, Dorothy However, Hu Zhizhong, Wang Dongli, Yao Yun, Fan Qi Jun, Wang Wuxiang, To Wang, Yuan Jie, Xia Lina, Jiangde Yong, Wang Huiling, Houwen Hu, Zhang Yingchun, obsessed Xue, Zhang Yuezhi, Lou Ni. This standard previously issued as follows:

--- GB 8239-1987, GB 8239-1997. Ordinary small concrete block

1 Scope

China's national standard for ordinary concrete small blocks. Concrete blockwork replaced fired clay brick across much of Chinese construction for a reason of national policy as much as economy: brickmaking consumed arable topsoil and a great deal of firing energy, and blocks made from cement, aggregate and often industrial by-products consume neither. A block is also larger than a brick, so a wall goes up faster with less mortar and less labour. The properties that matter are compressive strength, which sets what the wall can carry; density, which divides the load-bearing blocks from the lighter insulating ones; and drying shrinkage, which is the block's characteristic defect - concrete shrinks as it cures, and a block laid before it has finished doing so cracks the wall it is in, which is why the age at which blocks may be used is a real requirement. The standard specifies the terms and definitions, dimensions, types, grades and marking, raw materials, technical requirements, test methods, inspection rules, product certification, stacking and transport for blocks used in industrial and civil building.

This standard specifies the terms and definitions of ordinary small concrete blocks, size, type, rating and labeling, raw materials, technical requirements, test Methods, inspection rules, product certification, stacking and transportation. This standard applies to industrial and civil use ordinary small concrete blocks (hereinafter referred to as blocks).

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 175 Common Portland Cement

GB/T 1596 for cement and fly ash in concrete

GB/T 4111 Test Methods for Concrete Block and Brick

GB 6566 building materials radionuclide limits

GB 8076 concrete admixture

GB/T 14684 construction sand

GB/T 14685 construction with gravel, crushed stone

GB/T 18046 for cement and concrete granulated blast furnace slag powder

GB/T 18968 wall material terms

GB/T 25176 mortar and concrete with recycled fine aggregate

GB/T 25177 concrete with recycled coarse aggregate

GB 50176 civil thermal design JGJ63 concrete water standards YBJ20584 concrete blast heavy slag gravel technical conditions

3 Terms and Definitions

GB/T 18968 and defined by the following terms and definitions apply to this document.

3.1 Ordinary small concrete block normalconcretesmalblock Cement, mineral admixtures, sand, stone, water and other raw materials, through mixing, vibration molding, curing and other processes made of small blocks, including empty Heart blocks and solid blocks.

3.2 The main block type block mainshapeblock Hexahedral shape is rectangular, the length of the vertical dimension of the mortar joint thickness 400mm Save masonry, block masonry height dimension of 200mm Save time Horizontal mortar joint thickness, surfaces and closed intact blocks.

3.3 Auxiliary block auxiliaryblock With the main block type block supporting the use of special shape and size of the block is divided into open and closed two kinds; including the various shaped blocks, such as the ring