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

JG/T 350-2011

Replacing JG/T 3063-1999

**Light weight concrete panel
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is the revision of JG 3063-1999 "industrial ash concrete hollow wall slats," compared with the main technical changes JG 3063 as follows.

- Added terms, technical indicators, test methods and other content;
- Increase the "solid slats" and "partition wall, wall panels," the content;
- Added "softening coefficient", "heat transfer coefficient", "freeze-thaw," "anti-infiltration", "node connection capacity"
- Modify the scope of products including light concrete slab;
- Modify the scope of the application of lightweight concrete slab;
- Modify the physical and mechanical properties of "area density", "sound insulation sound insulation weight", "bending damage load" index;
- Modify the "moisture content", "hanging force", "fire resistance limit", "compressive strength", "drying shrinkage value" indicator;
- Modify the product factory inspection of the provisions of the project;
- Removed the specification size "100mm thick plate", an increase of "120mm, 150mm, 180mm thick plate";
- Remove the size deviation in the "tongue, and groove, tenon" control indicators, an increase of "wall thickness" control indicators.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban Construction Building Products and Components Products Standardization Technical Committee.

This standard was drafted. National Residential and Living Environment Engineering

Technology Research Center, Shenzhen Institute of Building Research Co., Ltd., coal Scientific Research Institute testing center, Shenzhen Arco too new building materials Co., Ltd., Beijing Hong Ling Technology Development Co., Ltd., Shanghai Xinyu wall materials Materials Co., Ltd., Xinjiang Urban Construction (Group) Co., Ltd., Yunnan Ausstone Finnish New Building Materials Co., Ltd., Nantong billion Kosel new construction Material Co., Ltd., Guangdong High-tech Environmental Protection Building Materials Co., Ltd., Hefei Hengyuan Real Estate Development Co., Ltd. Sanli new building materials factory, Hefei Manda New Building Materials Co., Ltd.

1 Scope

This standard specifies the terms of concrete lightweight slat products, classification and marking, general requirements,, test methods, inspection rules, standard Log, transport and storage.

This standard applies to precast concrete lightweight slats, including industrial ash concrete slats, natural light aggregate concrete slats, artificial light set Concrete slab.

Concrete lightweight slats for non-load-bearing partition wall for general civil and industrial buildings can be used for non-load-bearing outer wall of low-rise buildings.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB J82 ordinary concrete long-term performance and durability test methods GB 175 Universal portland cement GB/T 701 mild steel hot-rolled wire rod GB 6566 Building materials radionuclide limits GB/T 9978.1 fire test methods for building components - Part 1. General requirements GB/T 13475 Determination of building components steady heat transfer properties, calibration and protection of hot box method GB/T 14684 building sand GB/T 14685 building gravel, pebbles GB/T 17431.1 Lightweight aggregate and test methods - Part 1. Lightweight aggregate GB/T 19889.3 Acoustics - Measurement of sound insulation in buildings and of building elements - Part 3. Laboratory measurements of airborne sound insulation of building elements GB 20472 sulphoaluminate cement GB/T 50082 ordinary concrete long-term performance and durability test methods JG J63 concrete water standards Technical code for post - anchorage of concrete structures JG/T 169 Building wall with light battens

3 Terms

The following terms apply to this document.

Using cement as cementing material, reinforcing steel, steel mesh or other materials, fly ash, coal gangue, slag, recycled aggregate, etc.

Industrial ash, natural light aggregate, artificial light aggregate, prefabricated concrete strip produced by mechanized method according to building module, strip Aspect ratio of not less than 2.5.