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Loadbearing concrete perforated bricks

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Foreword

Chapter 6 of this standard (except 6.3.4) are mandatory, others are recommended.

This standard Appendix A, Appendix B, Appendix C is normative.

The standard degree of consistency with the United States ASTM C55-06 "concrete building bricks" of non-equivalent.

The standard proposed by China Building Materials Federation.

This standard building materials Standardization Technical Committee (SAC/TC285) administered by the National wall, roof and road use.

This standard is drafted. Henan Building Materials Research and Design Institute Co., Ltd, China Building Block Association, Zhejiang Province, the development of new wall Office materials, building materials Supervision and Industrial Technology Research Center.

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1 Scope

This standard specifies the load-bearing concrete brick terms and definitions, size, grade and mark, raw materials, technical requirements, test methods, the subject Inspection rules and product certification, stacking and transport.

This standard applies to industrial and civil buildings and the like load-bearing concrete brick structures.

2 Normative references

Terms of the following documents become provisions of this standard by reference in this standard. For dated reference documents, all later Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to agreements based on this standard Whether the latest versions of these documents. For undated references, the latest version applies to this standard.

GB 175 common portland cement GB/T 1346 Cement normal consistency, setting time, stability test method GB/T 1596 for cement and fly ash in concrete GB/T 2542 Test Method wall bricks GB/T 4111 Test Methods for small concrete hollow block GB 6566 Building materials radionuclide limits GB 8076 concrete admixtures GB/T 14684 building sand GB/T 14685 building pebbles, gravel GB/T 17431.1 lightweight aggregate and test methods - Part 1. Lightweight Aggregate Determination of mechanical properties GB/T 17669.3 Gypsum GB/T 17671 cement mortar strength test method (ISO method) GB/T 18046 for granulated blast furnace slag cement and concrete GB/T 18968 wall materials term JGJ63 concrete water standards YBJ20584 dry slag concrete conditions in the blast furnace lithotripsy

3 Terms and Definitions

GB/T 18968 established following terms and definitions apply to this standard.

Load-bearing concrete brick loadbearingconcreteperforatedbrick Cement, sand, stone and the like as main raw materials, ingredients, mixing, shaping, curing is made, for the multi-hole concrete block bearing structure (in Hereinafter referred to as. concrete brick), code-named LPB. Concrete brick Names of parts shown in Figure 1.

- 1 --- article surface;
- 2 --- pulp seat surface (outer wall surface of a small thickness of the ribs);
- 3 --- laid pulp surface (outer wall surface of the large thickness of the ribs);
- 4 --- top surface;
- 5 --- a length (L);
- 6 --- width (B);
- 7 --- height (H);
- 8 --- outer wall;
- 9 --- ribs.

Figure 1 concrete brick Names of parts

4.1 Specifications

Concrete brick hexahedral shape is a right angle, the usual brick size specifications shown in Table 1.

Table 1 Size millimeters

length Width Height

360,290,240,190,140 240,190,115,90 115,90 Other sizes may be negotiated through consultation. A thin mortar joint of masonry block type, relevant dimensions can be adjusted accordingly.

4.2 Rating

Press the compressive strength is divided into MU15, MU20, MU25 three levels.

4.3 Mark

Labeled products in the following order. code, size, strength grade, standard number.

Example. Size of 240mm x 115mm x 90mm, MU15 strength grade of concrete brick, mark it as.

5.1 Cement

Shall comply with the provisions of GB 175.

5.2.1 Fine aggregate

Shall comply with GB/T 14684 of.

5.2.2 Coarse aggregate

Gravel, pebbles shall comply with GB/T 14685; the weight of the slag should comply YBJ20584. Coarse aggregate maximum particle size should not be Greater than 9.5mm.

5.2.3 Lightweight aggregate

Shall comply with the provisions of GB/T 17431.1 of.

5.3 Fly

Shall comply with the provisions of GB/T 1596's.