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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

LY/T 1318-2022

Insulation Cork Bricks

隔热软木砖

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents" drafting.

This document replaces LY/T 1318-1999 "Cork Bricks (For Low Temperature Heat Insulation)" and LY/T 1319-1999 "Cork Bricks Test Method", and Compared to LY/T 1318-1999 and LY/T 1319-1999, except for structural adjustment and editorial changes, the main technical changes are as follows.

--- Changed the dimensional deviation and appearance quality requirements (see Table 1, Table 2, Table 1 of LY/T 1318-1999);

---Changed the density index of special grade products (see Table 3, Table 2 of LY/T 1318-1999);

--- Changed the flexural strength index (see Table 3, Table 2 of LY/T 1318-1999);

--- Changed the moisture content index (see Table 3, Table 2 of LY/T 1318-1999);

--- Added dimensional stability testing requirements (see Table 3);

--- Increased combustion performance classification testing requirements (see Table 3).

This document was drafted with reference to ISO 2219:2010 "Parameters of Prefabricated Expanded Cork Board (ICB) for Building Thermal Insulation Products", and the degree of consistency is non-standard.

equivalent.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

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1 Scope

This document specifies the requirements, inspection methods, inspection rules, packaging, marking, transportation and storage of thermal insulation cork boards.

This document applies to cork boards for thermal insulation without surface decorations made of compressed and baked cork particles without adhesives.

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text. Among them, dated references for documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 2828.1-2012 Counting sampling inspection procedure Part 1: Batch-by-batch inspection sampling retrieved by acceptance quality limit (AQL) plan GB 8624-2012 Classification of combustion behavior of building materials and products GB/T 10295-2008 Determination of steady-state thermal resistance and related properties of thermal insulation materials by heat flow meter method GB/T 17657-2013 Test methods for physical and chemical properties of wood-based panels and veneered wood-based panels GB/T 19367-2009 Determination of dimensions of wood-based panels GB/T 30806-2014 Test method for dimensional stability of building thermal insulation products under specified temperature and humidity conditions LY/T 3149-2019 Terminology for cork products

3 Terms and Definitions

LY/T 3149-2019 and the following terms and definitions apply to this document.

Cork products for thermal insulation without surface decorations made of cork particles without adhesives by molding and baking.

baking

The process of making cork self-expanding, coalescing, dehydrating, drying and hardening by means of heating under the ignition point.

sandwich surface-cooked During the baking process, the internal cork particles are not completely expanded and coalesced, which reduces the strength of the heat-insulating cork board and deteriorates the heat-insulating performance.

Density

In the detection of physical performance indicators, after a single insulating cork board sample is divided into partial test pieces, the value of the mass of the test piece divided by

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the volume. for Evaluate the uniformity and stability of mass distribution in different parts.

hole hole

Depressions or tiny pits formed on the surface of insulating cork boards due to falling cork particles.

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