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

GB/T 31245-2024

Ready-mixed mortar terminology

预拌砂浆术语

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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 GB/T 31245-2014 "Terminology for Ready-mixed Mortar". Compared with GB/T 31245-2014, except for the structural adjustment and editing In addition to the functional changes, the main technical changes are as follows:

- a) The scope of the document has been changed (see Chapter 1, Chapter 1 of the.2014 edition);
- b) Changed the terms ready-mixed mortar, wet-mixed mortar, dry-mixed mortar, freshly mixed mortar, hardened mortar, and ordinary mortar (see Chapter 3,.2014 edition). Chapter 2); Special mortars (see Chapter 3, 3.6 of the.2014 edition);
- c) Deleted water-retaining masonry mortar, water-retaining plastering mortar, thermal insulation bonding mortar, tile bonding mortar, spraying mortar, cement Asphalt mortar (see Chapter 3 of the.2014 edition);
- d) Changes to ordinary masonry mortar, paving mortar, plastering (facing) mortar, ordinary facing mortar, plastering (stucco) plaster, ground mortar, water Mud-based self-leveling mortar, gypsum-based self-leveling mortar, finishing mortar, interface mortar, joint mortar, bonding mortar, moisture-proof mortar, anchor Solidifying mortar, grouting mortar, grouting mortar, moisture-proof mortar, leak-proof mortar, thermal insulation mortar (see Chapter 4,

Chapter 3 of the.2014 edition); Polymer mortar (see 4.15, 2.3 of the.2014 edition);

e) Added plastering mortar, ordinary floor mortar, semi-dry floor mortar, wear-resistant floor mortar, ordinary waterproof mortar, flexible water-stop sand Mortar, permeable mortar, reinforcement mortar, repair mortar, sound insulation mortar, radiation proof mortar, crack resistant mortar, non-refractory mortar, bonding stone Plaster, caulking plaster (see Chapter 4);

f) Deleted polymer emulsion, redispersible latex powder, reactive resin, expanded perlite, expanded vermiculite, expanded glass microspheres, fiber Cellulose ether, amylase, thickener, hydrophobic agent, alkali-resistant glass fiber, synthetic fiber, wood fiber (see Chapter 4 of the.2014 edition);

g) Thixotropic agent has been changed (see 5.2, 4.10 of the.2014 edition);

h) Added water-retaining and thickening materials (see 5.1);

i) Shear strength, tensile strength and drying shrinkage have been deleted (see Chapter 5 of the.2014 edition);

1 Scope

GB/T 31245-2024 is the Chinese vocabulary of ready-mixed mortar. The shift from mortar mixed on site to mortar delivered wet or dry from a plant has been mandated across Chinese cities, and it brought with it an entire vocabulary that had no settled Chinese usage: the product types, the delivery and storage systems, the retention and workability terms, and the test apparatus. The standard defines the terms by group: the basic terms, the product terminology covering wet-mixed and dry-mixed mortars and their application classes, masonry, rendering, plastering, floor screed, tile adhesive and thermal insulation mortars, the raw material terminology for the cements, aggregates, mineral admixtures and chemical additives, the performance terms including the workability, water retention, setting time, strength and bond, the testing equipment terminology and the production and application terms. For anyone reading Chinese mortar specifications or plant documentation, this is the key to the vocabulary. It takes effect on 1 May 2025.

This document defines the basic terms, product terms, raw material terms, performance terms, testing equipment terms, production process and Equipment terminology, construction technology and equipment terminology, and bulk logistics system terminology. This document applies to the production, trade, scientific research, teaching, testing, design, construction, management and related fields of ready-mixed mortar.

2 Normative references

This document has no normative references.

3 Basic Terminology

3.1 ready-mixed mortar The mixture is made of cementitious materials, fine aggregates, admixtures and other ingredients determined by performance, which are measured and mixed in proportion in the factory. compound.

Note. Includes dry-mix mortar and wet-mix mortar.

3.1.1 wet-mixed mortar Premixed mortar is added with water in the factory, transported to the place of use by a mixer truck, and used within the specified time.

3.1.2 dry-mixed mortar Premixed mortar that can be used directly after adding water and mixing at the place of use.

3.2 fresh mortar A mixture that is made by mixing cementitious materials, fine aggregates, admixtures, water, etc. in proportion and stirring them evenly, but has not yet solidified.

3.3 hardened mortar Mortar mixture after solidification and hardening.

3.4 ordinary mortar Premixed mortar that meets the general requirements of masonry, plastering, flooring and other projects.

Note. Includes ordinary masonry mortar, ordinary plastering mortar, ordinary floor mortar and ordinary waterproof mortar.

3.5 Special mortar specialmortar Mortar with one or more special properties such as anti-seepage, anti-cracking, decoration, and thermal insulation.