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

GB/T 5463.3-2025

Replacing GB/T 5463.3-2013

Non-metallic mineral products vocabulary - Part 3: Gypsum

非金属矿产品词汇 第3部分：石膏

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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 is Part 3 of GB/T 5463 Vocabulary of Non-metallic Mineral Products. GB/T 5463 has been published in the following parts.

- Part 1: General terms and definitions;
- Part 2: Talc;
- Part 3: Gypsum.

This document replaces GB/T 5463.3-2013 "Non-metallic mineral products vocabulary part 3.gypsum" and is consistent with GB/T 5463.3-2013.

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The "Scope" has been changed (see Chapter 1, Chapter 1 of the 2013 edition);
- b) The definitions of the terms "gypsum" and "anhydrite" have been changed (see 3.1, 3.2, and 2.1, 2.2 of the 2013 edition);

- c) Added the term and definition of "mixed gypsum ore" (see 3.5);
- d) Added the terms and definitions of "mixed gypsum grade" and "gypsum adhering water" (see 4.3 and 4.4);
- e) The definition of the term "gypsum crystallization water" has been changed (see 4.5, 3.3 of the 2013 edition);
- f) The definition of the term "hemihydrate gypsum" has been changed (see 4.8, 3.6 of the 2013 edition);
- g) Added the terms and definitions of "Type I anhydrous gypsum", "Type II anhydrous gypsum" and "Type III anhydrous gypsum" (see 4.9, 4.10 and 4.11);
- h) The definition of the term "high-temperature calcined gypsum" has been changed (see 4.12, 3.7 of the 2013 edition);
- i) Added "gypsum cementitious materials", "gypsum composite cementitious materials", "alpha-type high-strength gypsum", "II-type anhydrous gypsum cementitious materials", "mixed Terms and definitions of "gypsum cementitious materials", "gypsum mortar" and "gypsum putty" (see 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7);
- j) The terms and definitions of "medicinal gypsum" and "model gypsum" have been changed (see 5.8, 5.9, 4.1 and 4.2 of the 2013 edition);
- k) Added the term and definition of "gypsum-based cement retarder" (see 5.15.1);
- l) Added "paper-faced gypsum board", "ordinary paper-faced gypsum board", "water-resistant paper-faced gypsum board", "fire-resistant paper-faced gypsum board", "water-resistant and fire-resistant paper-faced gypsum board" Gypsum board", "moisture-resistant gypsum board", "moisture-resistant and fire-resistant gypsum board", "high-density gypsum board" and "formaldehyde-free gypsum board" Terms and definitions (see 5.22, 5.22.1, 5.22.2, 5.22.3, 5.22.4, 5.22.5, 5.22.6, 5.22.7, 5.22.8);
- m) Added the terms and definitions of "composite gypsum board", "gypsum board polystyrene composite board" and "gypsum board glass wool (rock board) composite board" (see 5.23, 5.23.1, 5.23.2);
- n) Added "fiber reinforced gypsum board", "glass fiber mesh gypsum board", "perforated gypsum board for sound absorption", "gypsum-based self-leveling mortar" and Terms and definitions for "bonded gypsum" (see 5.24, 5.25, 5.26, 5.27, 5.28);
- o) Added "plastering gypsum", "lightweight plastering gypsum", "heavyweight plastering gypsum", "machine-sprayed plastering gypsum" and "mildew-proof and water-resistant plastering gypsum" Terms and definitions of "paste mortar" (see 5.29, 5.29.1, 5.29.2, 5.29.3, 5.29.4);
- p) Added "gypsum insulation mortar", "caulking plaster", "gypsum insulation board", "fiber

reinforced gypsum polystyrene composite board", "gypsum particle board" and Terms and definitions for "foam gypsum board" (see 5.30, 5.31, 5.32, 5.33, 5.34, 5.35);

q) Added the terms and definitions of "gypsum masonry unit" and "moisture-proof gypsum masonry unit" (see 5.36 and 5.36.1);

r) Added the terms and definitions of "gypsum lath", "gypsum hollow lath" and "gypsum polystyrene composite lightweight lath" (see 5.37, 5.37.1, 5.37.2);

s) Added "decorative gypsum products", "decorative paper gypsum board", "decorative gypsum board", "embedded decorative gypsum board", "carved decorative gypsum", "Plaster decorative strips", "non-paper-faced gypsum decorative strips", "paper-faced gypsum decorative strips" and "glass fiber reinforced gypsum decorative products" Terms and definitions (see 5.38, 5.38.1, 5.38.2, 5.38.2.1, 5.38.2.2, 5.38.3, 5.38.3.1, 5.38.3.2, 5.38.4);

t) Added the terms and definitions of "gypsum mold box", "calcium sulfate floor base material", "ceramic gypsum mold" and "gypsum whisker" (see 5.39, 5.40, 5.41, 5.42);

u) The terms and definitions of "chemical gypsum" and "chemical anhydrite" have been deleted (see 5.1 and 5.2 of the 2013 edition);

v) Added the term and definition of "industrial by-product gypsum" (see 6.1);

w) The definitions of the terms "phosphogypsum", "fluorgypsum", "desulfurized gypsum", "titanium gypsum", "glauber's salt gypsum" and "salt gypsum" have been changed (see 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 2013 edition 5.3, 5.4, 5.5, 5.6, 5.7, 5.8);

x) Added the terms and definitions of "citric gypsum", "nickel gypsum", "copper gypsum", "boric gypsum", "lactic gypsum" and "chrome gypsum" (see 6.8, 6.9, 6.10, 6.11, 6.12, 6.13).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document is proposed by China Building Materials Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Non-metallic Mineral Products and Products (SAC/TC406).

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This document was first published in 1986, revised for the first time in 2013, and this is the second revision.

Introduction

Non-metallic minerals are the material basis for the survival and development of human society, and together with energy minerals, metal minerals, water and gas minerals, they constitute the non-metallic mineral industry. The non-metallic mineral industry mainly includes non-metallic mineral exploration, mining and dressing, and non-metallic mineral processing and products industry, which plays a vital role in China's economy.

It is an important basic industry for the development of China's national economy and society.

Metal ores and their products have many superior and unique physical and chemical properties that are different from other minerals. They are not only widely used in construction, In the fields of building materials, metallurgy, petroleum, chemical industry, light industry, agriculture, and in the fields of new generation information technology, aerospace, nuclear energy, military industry, high-end equipment manufacturing, etc.

It plays a role in strategic emerging industries and high-tech industries such as construction, marine engineering, new energy, new materials, biomedicine, and environmental protection and governance.

It plays an irreplaceable and important role in the new round of scientific and technological revolution and the development of emerging industries.

GB/T 5463 aims to standardize the terms and definitions of non-metallic mineral products in general and for each mineral type.

The definition is intended to consist of several parts.

- Part 1: General terms and definitions. The purpose is to define the general terms of non-metallic mineral products, as well as the physical and chemical properties, processing Terms and definitions related to the processing and common use of non-metallic minerals and their products.
- Part 2: Talc. The purpose is to define the main terms and definitions of talc ore, talc composition and properties, and talc products.
- Part 3: Gypsum. The purpose is to define the main terms and definitions of gypsum ore,