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

GB/T 41059-2021

Adhesives specifications for ceramic tiles

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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 of Standardization Documents"

drafted:

This document is modified from ISO 13007-1:2014 "Ceramic tile caulks and adhesives - Part 1: Adhesive terms, definitions and techniques

Technical Requirements":

Compared with ISO 13007-1:2014, this document has the following structural adjustments:

---5:1:2 corresponds to 5:1:1 in ISO 13007-1:2014;

---5:1:3 corresponds to 5:1:2 in ISO 13007-1:2014:

The technical differences between this document and ISO 13007-1:2014 and their reasons are as follows:

--- Added normative references GB/T 1031 (see 5:1:4), GB/T 13891 (see 5:1:4) and APAPS1-09 [see

5:1:2b)], in order to adapt to the development of standardization work in my country;

--- Replace ISO 13006:2012 with the national standard GB/T 4100-2015 (see 5:1:4) to meet the standardization work exchange in my country;

--- Change the term and definition "wall and floor tiles" to "ceramic tiles" (see 3:2);

--- Added the technical requirements for the base material of concrete slabs (see 5:1:1) to meet the standardization work in my country;

--- Increased the technical requirements for ceramic tiles (see 5:1:4) to meet the development of standardization work in my country:

Compared with ISO 13007-1:2014, this document has the following editorial changes:

---The standard name was changed to "Technical Requirements for Ceramic Tile

Adhesives":

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

1 Scope

This document specifies the classification and designation, technical requirements, marking and packaging of ceramic tile adhesives:

This document applies to adhesives for indoor and outdoor wall and floor ceramic tiles:

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text: Among them, dated citations

documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to

this document:

GB/T 1031 Product Geometric Specifications (GPS) Surface Structure Profile Method Surface Roughness Parameters and Their Values

GB/T 4100 Ceramic tiles (GB/T 4100-2015, ISO 13006:2012, MOD)

GB/T 13891 Method for the determination of mirror gloss of architectural finishing materials (GB/T 13891-2008, ISO 2813:1994, NEQ)

ISO 13007-2:2010 Ceramic tile caulks and adhesives - Part 2: Test methods for adhesives (Ceramic tiles-

Grouts and adhesives-Part 2: Test methods for adhesives)

APAPS1-09 structural plywood (APAPS1-09 structural plywood)

3 Terms and Definitions

The following terms and definitions apply to this document:

3:1

base surface fixings surface

The surface on which the ceramic tiles are pasted:

3:2

ceramic tiles

Slab or block building ceramic products made from clay, feldspar and quartz for covering walls and floors:

3:3

cementitious adhesive (C)

It is a powdery mixture composed of hydraulic cementitious materials, mineral aggregates and organic admixtures, which needs to be mixed with water or other liquid materials when used:

3:4

Paste emulsion-based adhesive (D) dispersion adhesive (D)

It consists of water-based polymer emulsion, organic additives and mineral fillers, etc: It is an organic binder that can be used directly after mixing:

3:5

Reactive resin adhesive (R) reaction resin adhesive (R)

Composed of synthetic resins, mineral fillers and organic additives, one-component or multi-component mixtures cured by chemical reaction:

3:6

toothed spatula notched trowel

A toothed tool that allows the adhesive to be applied in strips of uniform thickness to the substrate and the back of the ceramic tile: