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

GB/T 35154-2017

Test methods for ceramic tiles grouts

陶瓷砖填缝剂试验方法

(English Translation)

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafted law to amend the use of ISO 13007-4.:2013 "ceramic tile sealants and adhesives Part 4. Sealant Test method".

This standard and ISO 13007-4.:2013 compared to the structural adjustment, Appendix A lists the standard and ISO 13007-4.

2013 reg number control list.

This standard compared with ISO 13007-4.:2013, there are technical differences, the provisions of these differences have been through the margin of the outer margin the vertical single line (|) at the white position is identified and a list of the corresponding technical differences and their causes is given in Appendix B.

This standard also made the following editorial changes.

- In line with the current product standard name, improve the standard system, the standard name changed to "ceramic tile sealant test method";
- Deleted ISO 13007-4.:2013 in 4.1, 4.2, 4.3 and 4.4 on the standard test conditions, unified included in this standard 3.2 standard test conditions;
- Modify ISO 13007-4.:2013 4.1.1.3 and 4.1.1.4 test machine and test fixture combined as the standard 4.1.1.3 content;
- Added 4.1.6.1 formula (1), 4.1.6.2 formula (2), 4.2.4 formula (3) description of the results of the instructions and units;
- Removed ISO 13007-4.:2013 references.

This standard proposed by the China Building Materials Federation.

This standard by the National Building and Sanitary Ceramics Standardization Technical

Committee (SAC/TC249) centralized.

This standard was drafted. Shanghai Academy of Building Research (Group) Co., Ltd., Guangdong Hongtao Ceramics Co., Ltd., Shanghai Branch of the test Co., Ltd., Shanghai Caoyang Building Adhesive Factory, Shanghai Aidi Technology Development Co., Ltd., Guangdong Longhu Technology Co., Ltd., Germany and high (wide State Building Materials Co., Ltd., Tongji University, Beijing Institute of Building Materials Inspection Co., Ltd., China Building Materials Inspection and Certification Group Co., Ltd.

Division, Shanghai Guantai Chemical Building Materials Co., Ltd.

1 Scope

This standard specifies the ceramic brick sealant (hereinafter referred to as sealant) flexural strength, compressive strength, water absorption, shrinkage, wear resistance, horizontal Deformation, chemical resistance test method.

This standard applies to the seams between the ceramic tile sealant performance testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 3810.6 Test methods for ceramic tiles Part 6. Determination of wear resistance of unglazed tiles (GB/T 3810.6-2016, ISO 10545-6.:2010, IDT) GB/T 17671-1999 cement mortar strength test method (ISO method) (idtISO 679. 1989) JC/T 681 planetary cement mortar mixer JC/T 682 cement mortar molding test Taiwan JC/T 726 cement mortar trial mold JC/T 958 cement mortar fluidity tester (jump table)

3.1 Sampling

Each mix requires at least 2kg of sample.

3.2 Standard test conditions

The standard test conditions are temperature $(23 \pm 2) ^\circ\text{C}$ and relative humidity $(50 \pm 5)\%$. The wind speed of circulating air in the test area is less than 0.2m/s. except Special instructions, the test should be carried out under the conditions. If the specific test items have other test conditions, both parties can be agreed to use What kind of test conditions, but the test report should explain the details.

The time deviations of the curing cycles of all the specimens shall meet the requirements in Table 1.

Table 1 maintenance cycle time deviations

Maintenance cycle time deviation/h 24h $\pm$ 0.5 7d $\pm$ 3 14d $\pm$ 6 21d $\pm$ 9 28d $\pm$ 12