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

GB/T 42527-2023

**Classification and requirements for pedestrian walkway
sealants**

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Standardization Administration**

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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 modified to adopt ISO 11618:2015 "Classification and requirements for building and civil engineering sealant sidewalk sealant":

Compared with ISO 11618:2015, this document has more structural adjustments:

Comparison list of structure number changes between two files

See Appendix A:

Compared with ISO 11618:2015, this document has more technical differences, and vertical

A single line (?) is indicated: See Appendix B for a list of these technical differences and their causes:

The following editorial changes have been made to this document:

--- Change the modulus unit "N/mm²" to "MPa";

---Changed the item name in Table 2, changing "adhesion/cohesion properties at constant temperature" to "adhesion after tension-compression";

"Cure Rate Properties" changed to "Cure Properties";

---Change "M2(A)" to "M2" in Chapter 8, change "100%" to "60%" in Example 2, and change the marking code of the example

order:

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

1 Scope

This document specifies the classification, requirements and test methods, treatment conditions, test procedures and substrates, determination of damage,

Marking, test report:

This document is applicable to the ground grounding of pedestrian activity areas such as sidewalks, public places, trolley use areas, terrace stands and warehouses:

Seam with elastic sealant:

This document does not apply to reactive cold-applied joint sealants for concrete pavement of roads, airports and sewage treatment plants:

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 531:1 Test method for indentation hardness of vulcanized rubber or thermoplastic rubber - Part 1: Shore durometer method (Shore hardness)

(GB/T 531:1-2008, ISO 7619-1:2004, IDT)

GB/T 13477:1 Test methods for building sealing materials Part 1: Specifications for test substrates (GB/T 13477:1-2002,

ISO 13640:1999, MOD)

GB/T 13477:8 Test methods for building sealing materials - Part 8: Determination of tensile adhesion (GB/T 13477:8-2017,

ISO 8339:2005, MOD)

GB/T 13477:10 Test methods for building sealing materials - Part 10: Determination of tensile adhesion (GB/T 13477:10-

2017, ISO 8340:2005, MOD)

GB/T 13477:11 Test methods for building sealing materials - Part 11: Determination of tensile adhesion after immersion in water (GB/T 13477:11-

2017, ISO 10590:2005, MOD)

GB/T 13477:13 Test methods for building sealing materials - Part 13: Determination of adhesion after cold drawing-hot pressing (GB/T 13477:13-

2019, ISO 9047:2001, MOD)

GB/T 13477:17 Test methods for building sealing materials - Part 17: Determination of elastic recovery rate (GB/T 13477:17-

2017, ISO 7389:2002, MOD)

GB/T 13477:19 Test methods for building sealing materials - Part 19: Determination of mass and volume changes (GB/T 13477:19-

2017, ISO 10563:2005, IDT)

GB/T 13477:20 Test methods for building sealing materials - Part 20: Determination of pollution (GB/T 13477:20-2017,

ISO 16938-1:2008,ISO 16938-2:2008,MOD)

GB/T 13477:22 Test methods for building sealing materials - Part 22: Determination of curing characteristics (GB/T 13477:22-2022,

ISO 19861:2015, MOD)

GB/T 13477:23 Test methods for building sealing materials-Part 23: Durability after tensile-compression cycles under artificially accelerated weathering

Determination of properties (GB/T 13477:23-2022, ISO 19862:2015, MOD)

GB/T 14682 Terminology of building sealing materials (GB/T 14682-2006, ISO 6927:1981, NEQ)

GB/T 22083-2008 Classification and requirements of building sealants (ISO 11600:2002, MOD)