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

**GB/T 38168-2019**

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**Vitreous and porcelain enamel finishes - Guide to selection of  
test methods for vitreous and porcelain enamelled areas of  
articles**

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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 redrafting method to modify the test method for the porcelain layer of enamel products and enamel coated products using ISO 4528.2015.

Guide to the guide.

This standard has made the following editorial changes.

--- For some of the ISO standards and EN standards quoted in Table 1, replaced by the applicable Chinese standards;

--- Removed footnote e from ISO 4528.2015 Table 1, footnote e for ISO 4528.2015 for the EU market.

This standard is proposed and managed by the China Light Industry Association.

This standard was drafted. Donghua University, National Eyeglass Glass Enamel Product Quality Supervision and Inspection Center, Shanghai Glasses Glass Enamel Products

Quality supervision and inspection station.

### 1 Scope

This standard is a selection guide for testing methods for evaluating the performance of enamel and enamel for different applications. The test method it references can be used

The properties of these articles are measured and these properties are associated with specific enamel article requirements.

Most of the test methods described in ISO International Standards and European Standards are limited and do not provide performance acceptance criteria or

Performance range.

This standard applies to enamel products of various metal substrates.

## 2 Select test method

The surface characteristics and test methods of enamel are listed in Table 1. Table 1 identifies the performance tests and corresponding test methods for 30 enamel products.

The following symbols are used in Table 1.

--- The test method given is applicable;

( )---For enamel products with special requirements, the test methods given may need to be corrected;

- --- The test method given does not apply.