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**Technical requirements for energy conservation of ceramic
industry kilns**

陶瓷工业窑炉节能技术要求

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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 is required.

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.

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Technical requirements for energy saving in ceramic industry kilns

1 Scope

This document specifies energy conservation requirements, test calculations and result evaluation for ceramic industry kilns.

This document is applicable to ceramic industrial kilns that produce ceramic tiles (plates), ceramic rock slabs, foamed ceramics, sanitary ceramics, daily-use ceramics, etc.

Energy-saving design, manufacture and acceptance of furnaces.

2 Normative references

GB/T 2589

GB/T 2992.1

GB/T 2998

GB/T 3994

GB/T 3995

GB/T 4272

GB/T 11835

GB/T 16400

GB/T 16618

GB/T 17357

GB 18613

GB 19761

GB 21252

GB/T 23459

GB/T 24565

GB/T 33301

GB/T 50543

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Firing energy consumption per unit product

The ratio of the total energy consumed by ceramic industrial kilns and their ancillary equipment to the total output of qualified products fired during the test period.

Note 1. Ancillary equipment includes fans, transmission devices, ancillary electrical equipment, etc.

Note 2. The energy statistics for ceramic industry kilns include consumption of various fuels (coal, oil, natural gas, etc.) and electricity.