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**Test methods for the properties of non-structural ultra-high
performance concrete component**

超高性能混凝土非承重构件性能试验方法

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Table of Contents

Preface	III
1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Specimen preparation	1
5 Standard test conditions	3
6 Bulk density, water absorption	3
7 Compressive strength	4
8 Axial compressive strength	4
9 Static compressive elastic modulus	5
10 Bending properties (bending ratio ultimate strength, bending ultimate strength, bending elastic modulus)	7
11 Tensile strength	8
12 Impact strength	9
13 Anchor pull-out force	10
14 Pre-embedded bolt sleeve pull-out force	12
15 Frost resistance	14
16 Shrinkage	15
Appendix A (Normative) Volume measurement method for irregular shaped specimens ..	16

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.

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Test method for properties of ultra-high performance concrete non-load-bearing components

1 Scope

This document specifies the bulk density, water absorption, compressive strength, axial compressive strength, static compression strength and Elastic modulus, flexural properties (flexural proportional ultimate strength, flexural ultimate strength and flexural elastic modulus), tensile strength, impact strength, anchor Test methods for pull-out force, embedded bolt sleeve pull-out force, frost resistance, and shrinkage rate.

This document is applicable to the performance testing of non-load-bearing parts of buildings or structures or ultra-high performance concrete components used in landscape engineering.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

JG/T 243 Concrete frost resistance test equipment

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Ultra-high strength toughened concrete produced from raw materials such as water

Active powder materials such as cement and mineral admixtures, fine aggregates, admixtures, high-strength fine steel fibers and (or) organic/inorganic fibers,

3.2 Ultra-high strength toughened concrete components used in landscape engineering, etc

UHPC materials are prefabricated by pouring, extrusion, pressing or spraying and are used for non-load-bearing parts of buildings or structures, or

3.3 Test board/block

It is made under the same environmental conditions, same mix ratio, same molding process and same curing method as UHPC non-load-bearing components.

Plates/test blocks used to evaluate the performance of UHPC materials or UHPC non-load-bearing components.