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

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**Fiber reinforced polymer composite tubes for confining
concrete**

约束混凝土用纤维增强复合材料管

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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.

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.

This document was proposed by China Building Materials Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Fiber Reinforced Plastics (SAC/TC39).

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Fiber reinforced composite pipes for confined concrete

1 Scope

This document specifies the classification, code and marking, raw materials, requirements, inspection rules and Marking, packaging, transportation, storage and factory certification, and describes the corresponding test methods.

This document applies to the design, manufacture, inspection and acceptance of fiber reinforced composite pipes for confined concrete (referred to as confined pipes).

2 Normative references

GB/T 1446

GB/T 1447

GB/T 1458-2023

GB/T 1462

GB/T 2576

GB/T 2577

GB/T 3854

GB/T 3855

GB/T 3961

GB/T 13657

GB/T 18369

GB/T 26752

GB/T 38111

GB/T 40396

GB/T 50081-2019

3 Terms and definitions

The terms and definitions defined in GB/T 3961 and the following apply to this document.

3.1 fiber reinforced polymer composite tubes for confining concrete

crete It is a composite of reinforcing fiber and matrix resin, and is used in civil engineering structural composite components in the form of internal concrete filling.

A tubular product that acts as a constraint on it.

3.2 Axial longitudinal direction

Constrain the direction of the rotation center axis of the fiber reinforced concrete composite pipe.