Chinastandards.org

ICS 91.080.40
CCS P25

JGJ

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JGJ/T 471-2019

Technical standard for steel tube confined concrete structures

钢管约束混凝土结构技术标准

(English Translation)

Implemented on: February 1, 2020

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

Preview: page 1 of 4 shown, 73 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jgj-t-471-2019

Chinastandards.org

Table of Contents

[Preview only]
1 General Provisions
2 Terms and Symbols
2.1 Terms
2.2 Symbols
3 Basic Requirements
3.1 General Requirements
3.2 Earthwork
3.3 Ground Treatment
3.4 Pile Foundation
3.5 Shoring of Foundation Pit
4 Masonry Works
4.2 Additive Method
4.3 Tent Healing Method
4.4 Mortar Pumping
4.5 Motor Spraying
4.6 Disposals after Spraying
5 Steel Bar Works
5.2 Welding of Steel Bars at Subzero Temperature
5.3 Carrying Capacity Calculation for Local Compressive Members
5.4 Carrying Capacity Calculation for Axial Tensile Members
5.5 Carrying Capacity Calculation for Flexural Members
5.6 Carrying Capacity Calculation for Shearing Members
5.7 Allowable Ratio of Height to Sectional Thickness of Wall or Column
5.8 General Details
5.9 Crack Resisting Details of Masonry Wall
6 Concrete Works
6.2 Heating, Mixing, Transportation and Placing of Raw Materials of Concrete
6.3 Concrete Curing by Thermos Method and Comprehensive Thermos Method
6.4 Concrete Curing by Steam Heating Method
6.5 Concrete Curing by Electrical Heat Method
6.6 Concrete Curing by Tent Healing Method

Preview: page 2 of 4 shown, 73 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jgj-t-471-2019

6.7 Curing Method at Subzero Temperature
6.8 Sulphoaluminate Cement Concrete
6.9 Concrete Quality Control and Inspection
7 Thermal Insulation and Roof Waterproof Works
7.2 Construction of External Thermal Insulation Works
7.3 Construction of Roof Thermal Insulation Works
7.4 Construction of Roof Waterproofing Works
7.5 Post-grouting of Large-diameter Belled Cast-in-place Pile
7.6 Safety Measures
8 Building Decoration Works
8.2 Plastering Works
8.3 Painting, Swabbing, Paperhanging and Glass Works
8.4 Basic Requirements for Wall Construction
8.5 Construction of Insulation Wall
8.6 Construction of Core Column
8.7 Constructional of Structural Column
8.8 Construction of Infilled Wall
8.9 Construction of Single-storey Building with Non-load Carrying Wall
9 Steel Structure Works
9.2 Materials
9.3 Steel Structure Fabrication
9.4 Steel Structure Installation
9.5 Soft Package
9.6 Glass Finish

1 Foreword

JGJ/T 471-2019 was issued by Ministry of Housing and Urban-Rural Development of the People's Republic of China on 18 June 2019 and has been in force since 1 February 2020.

The JGJ/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 73 pages in English translation.

Preview: page 3 of 4 shown, 73 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jgj-t-471-2019

2 Scope Preview

JGJ/T 471-2019 falls under ICS 91.080.40, in the field of construction materials and building.

This catalogue holds 191 other JGJ/T standards in that field.

In this catalogue, JGJ/T standards carry edition years from 1984 to 2023.

3 About this standard

Sector: Building & Construction Industry Standard (Recommended)

Issued by: Ministry of Housing and Urban-Rural Development of the People's Republic of China

English translation: about 73 pages (approximate)

Chinese original: about 110,134 characters

4 Related standards

Standards on related subjects:

GB 50068-2018 - Unified standard for reliability design of building structures

TB 10092-2017 - Code for Design of Concrete Structures of Railway Bridge and Culvert

JG/T 163-2013 - Couplers for Rebar Mechanical Splicing

JGJ/T 468-2019 - Technical standard for composite structures containing compound concrete made of old concrete lumps and new concrete

JGJ/T 465-2019 - Design standard of steel fiber reinforced concrete structure (with explanatory notes)

5 Classification and status

International classification (ICS): 91.080.40

Chinese Standard Classification (CCS): P 25

Prefix JGJ/T: recommended standard.

Preview: page 4 of 4 shown, 73 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/jgj-t-471-2019