Chinastandards.org

ICS 91.100.30
CCS Q 14

CECS

ASSOCIATION STANDARD OF CHINA ASSOCIATION FOR ENGINEERING CONSTRUCTION STANDARDIZATION

CECS 454-2016

Technical specification for assembled autoclaved aerated concrete light steel composite insulation wall engineering

模块化蒸压加气混凝土轻钢复合保温墙体工程技术规程

(English Translation)

Issued on: October 26, 2016

Issued by: China Association for Engineering Construction Standardization

Preview: page 1 of 4 shown, 31 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-454-2016

Chinastandards.org

Table of Contents

[Preview only]
1 General Provisions
2 Terms and Symbols
2.1 Terms
2.2 Symbols
3 Materials
3.1 General Requirements
3.2 Determination of Estimated Strength of Concrete with Dilled Cores
3.3 Drilled Core Correction Method
4 Major Equipments
4.2 Tension Cable and Anchor
4.3 Load
4.4 Detailing requirements
4.5 Artificial Filling Foundation Treatment by Heavy Tamping
5 Structural Calculation
5.2 Analysis of Initial State of Form
5.3 Analysis of Effects under Loads
5.4 Analysis of Pattern Cutting
5.5 Construction Quality Control and Monitor
5.6 Environmental Protection
6 Processing of Core or Technical Requirements of Specimen
6.2 Connection between Membrane Materials
6.3 Connection between Membrane and Rigid Boundary
6.4 Connection between Membrane and Flexible Boundary
6.5 Painting
7 Test of Core Specimen and Calculation of Compressive Strength
7.2 Inspection items
7.3 Qualification judgment
7.4 Maintenance
8 Erection
8.1 Erection of Steel Members and Tension Cables
8.2 Erection of Membrane Elements

Preview: page 2 of 4 shown, 31 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-454-2016

8.3 Application of Pretension Force

8.4 Nondestructive Testing of Connection of Structural Steel Casting

8.5 Marking, Storage and Transport

9 Acceptance

1 Foreword

CECS 454-2016 was issued by China Association for Engineering Construction Standardization on 26 October 2016.

The CECS prefix marks a association standard of the engineering construction sector, adopted voluntarily.

The document runs to 31 pages in English translation.

2 Scope Preview

This standard applies to 100 m and below the seismic fortification intensity of 6, 7, 8 degrees of industrial and civil construction and existing building renovation, self-bearing external protection system of modular autoclaved aerated concrete light steel composite insulation wall The design, processing and transportation storage, installation and construction, engineering acceptance and maintenance.

CECS 454-2016 falls under ICS 91.100.30, in the field of construction materials and building.

This catalogue holds 144 other CECS standards in that field.

In this catalogue, CECS standards carry edition years from 1988 to 2016.

3 About this standard

Issued by: China Association for Engineering Construction Standardization

English translation: about 31 pages

Chinese original: about 47,464 characters

4 Related standards

Standards on related subjects:

JC/T 564.1-2018 - Fiber reinforced calcium silicate boards - Part 1: Non-asbestos calcium silicate boards

JC/T 746-2007 - Concrete tiles

Preview: page 3 of 4 shown, 31 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-454-2016

CECS 452-2016 - Technical specification for light gauge steel skeleton and lightweight concrete partition wall

5 Classification and status

International classification (ICS): 91.100.30

Chinese Standard Classification (CCS): Q 14

Prefix CECS: association standard of the engineering construction sector, adopted voluntarily.

Preview: page 4 of 4 shown, 31 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-454-2016