Chinastandards.org

ICS 91.060.10
CCS P 22

CECS

ASSOCIATION STANDARD OF CHINA ASSOCIATION FOR ENGINEERING CONSTRUCTION STANDARDIZATION

CECS 279-2010

Technical specification for ground treatment by heavy tamping

强夯地基处理技术规程

(English Translation)

Issued on: August 16, 2010 **Implemented on: November 1, 2010**

Issued by: China Association for Engineering Construction Standardization

Preview: page 1 of 4 shown, 46 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-279-2010

Chinastandards.org

Table of Contents

1 General Provisions
2 Terms and Symbols
2.1 Terms
2.2 Symbols
3 Basic Requirement
4 Design
4.1 General Requirement
4.2 Heavy Tamping
4.3 Dynamic Replacement
4.4 Special Soil Foundation Treatment by Heavy Tamping
4.5 Artificial Filling Foundation Treatment by Heavy Tamping
5 Construction
5.1 General Requirement
5.2 Preparation of Construction Site
5.3 Construction Machine
5.4 Construction Procedure
5.5 Construction Quality Control and Monitor
5.6 Environmental Protection
6 Quality Test and Acceptance
6.1 Quality Test and Acceptance of Heavy Tamping
6.2 Quality Test and Acceptance of Dynamic Replacement

1 Foreword

CECS 279-2010 was issued by China Association for Engineering Construction Standardization on 16 August 2010 and has been in force since 1 November 2010.

1.0.1
This specification was formulated with a view to enhancing design, construction and quality test of ground treatment by heavy tamping, implementing the national technical and ecnomic policies, and achieving technical advancement, safety and usability, economy rationality and high quality and environmental protection.

Preview: page 2 of 4 shown, 46 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-279-2010

1.0.2
This specification is applicable to design, construction and quality test of ground treatment by heavy tamping, including natural foundation, artificial filling foundation and special soil foundation.

1.0.3
Ground treatment by heavy tamping shall satisfy such principles as adjusting measures to local conditions, using local materials and saving resources.

1.0.4
Engineering of ground treatment by heavy tamping shall not only meet the requirements of this specification, but also comply with those specified in the current relevant national standards.

2 Scope Preview

This standard applies to natural ground, artificial fill foundation design and special land-based Dynamic Compaction processing, construction and quality testing.

CECS 279-2010 falls under ICS 91.060.10, 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 46 pages

Chinese original: about 69,694 characters

4 Related standards

Standards on related subjects:

GB 55001-2021 - Unified standard for reliability design of engineering structures

GB 50005-2017 - Standard for design of timber structures

GB 50202-2002 - Code for acceptance of construction quality of building foundation

CECS 147-2016 - Technical specification for soil mass with reinforced cement soil pile and anchors

CECS 86-2015 - Concrete water tank on Weak Foundation Design Code

Preview: page 3 of 4 shown, 46 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-279-2010

Chinastandards.org

5 Classification and status

International classification (ICS): 91.060.10

Chinese Standard Classification (CCS): P 22

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

Preview: page 4 of 4 shown, 46 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-279-2010