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ICS 91.080.40
CCS P25

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ASSOCIATION STANDARD OF CHINA ASSOCIATION FOR ENGINEERING CONSTRUCTION STANDARDIZATION

CECS 180-2005

Specification for prestressed construction of building engineering

建筑工程预应力施工规程

(English Translation)

Issued on: April 29, 2005 **Implemented on: August 1, 2005**

Issued by: China Association for Engineering Construction Standardization

Preview: page 1 of 5 shown, 54 in the full document. Complete English PDF, instant download:
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Table of Contents

1 Table of Contents
11 General Provisions
22 Terms

1 Table of Contents

1 General Provisions... 1

2 Terms... 2

3 Materials... 4

3.1 Prestressing Tendon... 4

3.2 Prestressing Tendon of Coating... 6

3.3 Anchorage, Grip and Coupler... 7

3.4 Tubes for Hole Manufacturing... 9

3.5 Cement for Grouting... 10

3.6 Shipping and Storage... 10

4 Construction Requirement... 12

4.1 Pre-tensioned Prestressing... 12

4.2 Post-tensioned Bonded Prestressing... 13

4.3 Post-tensioned Unbounded Prestressing... 14

4.4 Measures for Reinforced Structures... 15

4.5 Measures for Reducing Binding Force... 16

4.6 Prestressing of Steel Structure... 16

5 Construction Calculation... 18

5.1 Blanking Length of Prestressing Tendon... 18

5.2 Stretching Force of Prestressing Tendon... 19

5.3 Prestressing Loss... 20

5.4 Partial Load-carrying Capacity of Anchorage Zone... 24

Preview: page 2 of 5 shown, 54 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-180-2005

Chinastandards.org

5.5 Stretch Elongation of Prestressing Tendon... 25

6 Fabrication and Installation... 27

6.1 Fabrication of Prestressing Tendon... 27

6.2 Pore Path Setting up of Prestressing Tendon... 27

6.3 Installation of Prestressing Tendon... 28

6.4 Laying of Unbonded Prestressing Tendon... 29

6.5 Quality Requirements... 30

7 Stretching and Spreading... 32

7.1 Preparation Work... 32

7.2 Stretching of Prestressing Tendon... 32

7.3 Spreading of Prestressing Tendon... 33

7.4 Quality Requirements... 34

8 Grouting and Sealing Anchor... 36

8.1 Preparation Work... 36

8.2 Slurrying Requirements... 36

8.3 Grouting Technology... 37

8.4 Vacuum Auxiliary Grouting... 37

8.5 Sealing Protection of Anchorage... 38

8.6 Quality Requirements... 38

9 Construction of External Pre-stressing... 40

29.1 Arrangement of Tendons... 40

9.2 System Constitution... 40

9.3 Construction Requirements... 41

9.4 Construction and Protection... 42

10 Prestressing Construction of Cable... 44

10.1 System Construction... 44

10.2 Fabrication and Installation... 46

10.3 Adjustment of Stretching Force and Cable Tension... 46

Preview: page 3 of 5 shown, 54 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/cecs-180-2005

10.4 Protection Requirements... 48

10.5 Maintenance and Monitoring... 48

11 Construction Management... 50

11.1 Construction Scheme... 50

11.2 Requirements for Cooperation Procedures... 50

11.3 Safety Measures... 52

11.4 Quality Control... 52

11.5 Quality Acceptance... 53 Appendix A Specification and Mechanical Properties of Common Prestressing Tendon... 55 Appendix B Specification of Metal Bellows and Plastic Bellows... 57 Appendix C Anchoring System of Clips for Common Steel Stranded Wire... 58 Appendix D Coordinate Equation and Length Calculation of Curved Prestressing Tendon 60 Appendix E Methods for Fluidity Test of Cement Paste for Grouting... 62 Appendix F Quality Inspection Records of Inspection Lot of Subitem Prestressing Project64 Explanation of Wording in this Specification... 68

11 General Provisions

1.0.1 This Specification was formulated for the purpose of achieving advanced technology, economic rationality and safe operation and also guaranteeing quality in the prestressed construction of building engineering.

1.0.2 This Specification is applicable to the prestressed construction of concrete structures and steel structures in buildings and general structures.

1.0.3 The construction of subitem prestressing project shall be undertook by the prestressing professional construction organization having the corresponding qualification grade.

1.0.4 In addition to meeting this Specification, the prestressed construction of building engineering still shall comply with those specified in the current relevant standards of the nation.

22 Terms

2.0.1 Prestressing tendon it is the generic term of the single steel wire or bundled steel wires, steel stranded wires, high tensile reinforcements and steel bar that are used for applying the prestress.

2.0.2 Bonded prestressing tendon it is a kind of prestressing tendon that is bonded with concrete directly or by grouting after being stretched.

Preview: page 4 of 5 shown, 54 in the full document. Complete English PDF, instant download:
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2.0.3 Unbonded prestressing tendon it is a kind of prestressing tendon that is not bonded with the surrounding concrete by coating anti-corrosive lubricating grease and wrapping plastic sheath on surface.

2.0.4 Pre-tensioning method it is a kind of construction method that firstly stretch the prestressing tendon on pedestal or steel mould and temporarily fixing the prestressing tendon with grip, and then pour the concrete, and spread the prestressing tendon after the concrete reaching a certain intensity to make the concrete produce compressive prestress.

2.0.5 Post-tensioning method it is a kind of construction method that stretch the prestressing tendon and permanently fix it with anchorage in such member or structure with concrete reaching a certain intensity to make the concrete produce compressive prestress. The pore path shall be set up in such member or structure with the demand of bonded post-tensioning method and also shall b...

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