

图书基本信息

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## 前言

This Standard is a revision of SD 108 - 83 Technical standard for hydraulic concrete admixture according to Notice on Printing the Development and Revision Plan of Professional Standards ( Document 40 , 1996 ) issued by the former Ministry of Electric Power Industry. SD 108——83 is the first professional standard for admixtures in China. It represents the result of 3 years efforts by 9 representative organizations in the former Ministry of Water Resources and Electric Power , including universities , research institutes and construction bureaus , which had made information collection , investigation and centralized demonstration testing. The draft standard had been peer reviewed by China experts before this Standard was issued. The publication of the first version of this Standard promoted the application and improvement of new technologies for admixtures and provided guides for use of admixtures in water resources and hydropower projects. However , with the rapid development of hydraulic concrete technologies , new admixtures have been born , and the national standards concerning admixture have been issued. Therefore considerable standards with experience can be referred to. Taking into account the comments from parties concerned , this Standard was revised. This Standard is under jurisdiction and explanation of the Technical Committee of Standardization for Hydropower Construction of Electric Power Industry. The chief drafting organization : Nanjing Hydraulic Research Institute.

## 内容概要

This Standard is a revision of SD 108 - 83 Technical standard for hydraulic concrete admixture according to Notice on Printing the Development and Revision Plan of Professional Standards ( Document 40 , 1996 ) issued by the former Ministry of Electric Power Industry.

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## 章节摘录

5.1 Technical Conditions of Concrete      5.1.1 Concrete with common admixtures      5.1.1.1 Raw materials of concrete

1) Cement : reference cement shall be used , if it is not available , 525#ordinary Portland cement may be used. Its C3A content in clinker shall be within 5 %-8 %. 2H<sub>2</sub>O gypsum shall be used as set controlling agent ( If hard gypsum is used , its dosage shall not exceed 1/2 of the total amount of set controlling agent ) .

2) Aggregates : hard , clean and well graded aggregates which can meet the requirements of SDJ 207—82 shall be used. Coarse aggregate shall be of gravel or crushed stone with particle size of 5mm-20mm- ( circular hole sieve ) , in which the mass percentage of aggregate with particle size of 5mm-10mm is 45 % , the mass percentage of aggregate with particle size of 10mm-20mm is 55% , and the fineness modulus of fine aggregate ( sand ) is 2.6-2.9.

3) Mixing water : drinking water.      4) Admixtures : admixtures to be tested.

5.1.1.2 Reference concrete

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