

<<DL/T 5193-2004 环氧树>>

图书基本信息

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## 前言

This Specification IS revised on the demands of the Document No.22[2000]entitled"Notice about approving the scheme on formulatngor revising the sector standards of the electric power industry in1999"issued by the State Economic and Trade Commission . This Specification specifies the quality requirements andperformance test methods of raw materials for epoxy resin mortar,performance tests and construction technologies of epoxy resinmortar . Due to its characteristics of high strength and excellentcomprehensive performance,epoxy resin mortar has been used asanti-scouring and anti-abrasion protective cover of flow surface ofhydraulic concrete and as a mending and consolidation material forthe locations damaged by scouring,abrasion and cavitation erosion inthe past 40 years . It has also been used as a mending andconsolidation material for industrial and civil buildings,highways,bridges and airport runways,etc..The quantity and application scope of epoxy resin mortar have been increased continuously with development of epoxy resin material and improvement of constructiontechnologies in recent years . However,there is no related technical specification for a long time,which has hindered the application andtechnology development of epoxy resin mortar as no technical requirement is available for epoxy material processing,performancetest and on-site construction . So it is very necessary to develop a specification for epoxy resin mortar that is suitable for our country,in order to standardize the research and application of epoxy resin .

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### 内容概要

本书为DL/T 5193《环氧树脂砂浆技术规程》的英文版，规定了环氧树脂是将原材料的基本性能要求及其检测方法、质量控制等内容。

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## 章节摘录

5.1.1 Scope It is applicable to preparation of epoxy resin mortar mixture . 5.1.2 Requirements 1 The test material or mixtures shall be remained at the temperature of  $23 \pm 2$  for at least 24 h . 2 It is recommended to directly use half-ready epoxy resin mortar packaged in proportion and provided by suppliers . When use bulk materials , the components shall not be less than 10 g , to the nearest  $\pm 0.05$  g . 3 The sequences of adding the materials shall follow supplier's indication . Mix until the color of the mixture becomes uniform ( or follow supplier's indication ) , and avoid exotherm reaction caused by over-mixing . 4 Protective clothes and latex ( or plastic ) gloves shall be worn during the process to avoid direct contact with chemicals . In case that the mixture gets on the skin , wipe it off with dry cloth or tissue immediately , and then wash the affected skin with soap and water . Do not wipe the affected part with solvent fluids because it accelerates hazardous substances permeating into skin . 5.1.3 Instruments . 1 Bench Scale : its capacity is 5 kg , and sensitivity is 1 g . 2 Balance : its capacity is 500 g . and sensitivity is 0.01 g . 3 Mixing equipments : from small-size mixer to low-speed .

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