Practical Handbook of Grouting. Soil, Rock, and Structures

Description: The first complete handbook for every aspect of grouting technology

The Practical Handbook of Grouting offers the most comprehensive, single-source reference covering all facets of grouting technology, including its application for control of water movement, strengthening of both soil and rock, and a wide range of structural applications. Richly illustrated with hundreds of informative photographs, graphs, and figures, this handbook provides invaluable advice on all stages of a project from initial investigation and design, through execution, monitoring, and quality control.

Broad coverage in the Practical Handbook of Grouting begins with a general overview of the topic and includes design and quality control issues, injection techniques, and a thorough discussion of drilling and grouting equipment, with practical focus on building custom equipment.

Enriched with real-world insights from the author, the Practical Handbook of Grouting features the latest information on:

- Cementitious and noncementitious grouts, including new admixtures and polymers
- Special construction requirements, including grouting inside structures, underground spaces, in extreme environments, and for emergency response support
- Grouting equipment, including pumps, mixers, agitators, and delivery and monitoring systems
- Pump mechanics, including the advantages and limitations of all pump types
- "The Games Contractors Play," including marketing efforts, proposal trickery, on-the-job issues, and defending bad work

Complete with an extensive bibliography and references, the Practical Handbook of Grouting is a valuable resource for civil, structural, and geotechnical engineers, geologists, contractors, and students in related fields.

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