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 noncemementitious 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.

هج ABOUT THE AUTHOR

JAMES WARNER, P.E., has specialized in the use of grouting for geotechnical applications and structural repair for more than fifty years as both a contractor and engineer.

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