



Practical Handbook of Grouting: Soil, Rock, and Structures

By James Warner

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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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Editorial Review

From the Back Cover

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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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