



Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice

By Michael Raupach, Till Büttner

Download now

Read Online ➔

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner

The Construction Sector Is Increasingly Focused On Repair

As concrete structures are maintained longer for both environmental and financial reasons, the diagnosis, design, and selection of products, and repair work all depend on the individual condition of the buildings and require specialist knowledge from everyone involved. **Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice** provides relevant background and practical guidance on concrete repair. This book is based on the new European Standard EN 1504, which is used as the actual basis for concrete repair works, in Europe and beyond.

Offers a Systematic and Thorough Approach

It includes both practice and theory, and provides an ideal basis for understanding and designing repair works. It addresses building materials, deterioration mechanisms, diagnosis, load-bearing capacity and safety, repair principles and methods, repair materials, execution of repair works, quality control, inspections, monitoring, and maintenance and building management systems right through to building regulations and standards. It also covers deterioration mechanisms of concrete and steel reinforcement, diagnosis methods, principles of repair and protection, properties and fields of application of repair materials, as well as methods of execution, including quality control to EN 1504.

- Describes the theoretical background of corrosion and diagnosis methods (which are not covered by the EN 1504 series)
- Provides the systematics of principles and methods in detail
- Includes dedicated comprehensions which enables the reader to quickly access

the knowledge

The text provides a complete overview and is a practical resource for owners, designers, product suppliers, testing institutes, and consulting engineers, as well as for students in civil engineering.

 [Download Concrete Repair to EN 1504: Diagnosis, Design, Pri ...pdf](#)

 [Read Online Concrete Repair to EN 1504: Diagnosis, Design, P ...pdf](#)

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice

By Michael Raupach, Till Büttner

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner

The Construction Sector Is Increasingly Focused On Repair

As concrete structures are maintained longer for both environmental and financial reasons, the diagnosis, design, and selection of products, and repair work all depend on the individual condition of the buildings and require specialist knowledge from everyone involved. **Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice** provides relevant background and practical guidance on concrete repair. This book is based on the new European Standard EN 1504, which is used as the actual basis for concrete repair works, in Europe and beyond.

Offers a Systematic and Thorough Approach

It includes both practice and theory, and provides an ideal basis for understanding and designing repair works. It addresses building materials, deterioration mechanisms, diagnosis, load-bearing capacity and safety, repair principles and methods, repair materials, execution of repair works, quality control, inspections, monitoring, and maintenance and building management systems right through to building regulations and standards. It also covers deterioration mechanisms of concrete and steel reinforcement, diagnosis methods, principles of repair and protection, properties and fields of application of repair materials, as well as methods of execution, including quality control to EN 1504.

- Describes the theoretical background of corrosion and diagnosis methods (which are not covered by the EN 1504 series)
- Provides the systematics of principles and methods in detail
- Includes dedicated comprehensions which enables the reader to quickly access the knowledge

The text provides a complete overview and is a practical resource for owners, designers, product suppliers, testing institutes, and consulting engineers, as well as for students in civil engineering.

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner **Bibliography**

- Sales Rank: #3715601 in Books

- Published on: 2014-05-02
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x .90" w x 7.10" l, 1.72 pounds
- Binding: Hardcover
- 292 pages

 [Download Concrete Repair to EN 1504: Diagnosis, Design, Pri ...pdf](#)

 [Read Online Concrete Repair to EN 1504: Diagnosis, Design, P ...pdf](#)

Download and Read Free Online Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner

Editorial Review

Review

"This book provides clear background information on the underlying intervention principles which are discussed in more and better detail than in EN 1504. The book offers essential background to EN 1504 for the repair of existing concrete structures and can be read and understood by a diverse group of people, ranging from professionals and technicians to those involved with the management of buildings and structures."

—Joost Gulikers, Rijkswaterstaat, GPO

"... this book fulfills its goals to cover both theory and practice as well as to contain all the relevant information needed not only by owners, companies, contractors, engineers but also by students of civil engineering. All those using EN 1504 should not miss to take a look in this book." —*Materials and Corrosion*, March 2016

About the Author

Michael Raupach is chair of the Institute for Building Materials (ibac), Repair and Conservation of Buildings at RWTH Aachen University, and is actively engaged in diagnosis and design with the consulting engineers Raupach Bruns Wolff. He has been active as the German delegate in the preparation of the European Standard EN 1504, which is the actual basis for concrete repair works, not only in Europe but also in other countries. He has published more than 500 papers and made several contributions to books in corrosion, repair, and maintenance of buildings.

Till Büttner was a research assistant at the Institute of Building Materials (ibac) and is now working at the construction company Eurovia Beton in Troisdorf, Germany, in the field of concrete repair. He wrote his PhD thesis on the lifetime prediction of polymer-modified glass reinforcement of concrete and is active in the field of on-site diagnosis, evaluation of the status of concrete structures, as well as developing concepts for the repair and maintenance of concrete structures.

Users Review

From reader reviews:

Christopher Hairston:

Now a day folks who Living in the era everywhere everything reachable by talk with the internet and the resources within it can be true or not demand people to be aware of each details they get. How people have to be smart in receiving any information nowadays? Of course the reply is reading a book. Reading a book can help individuals out of this uncertainty Information specially this Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice book because book offers you rich information and knowledge. Of course the knowledge in this book hundred per-cent guarantees there is no doubt in it everbody knows.

Megan Lapointe:

This Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice are generally reliable for you who want to be described as a successful person, why. The explanation of this Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice can be one of several great books you must have is definitely giving you more than just simple studying food but feed anyone with information that probably will shock your previous knowledge. This book is usually handy, you can bring it just about everywhere and whenever your conditions both in e-book and printed kinds. Beside that this Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice giving you an enormous of experience for example rich vocabulary, giving you trial of critical thinking that we understand it useful in your day exercise. So , let's have it and enjoy reading.

Stacey Sims:

Spent a free time and energy to be fun activity to do! A lot of people spent their leisure time with their family, or all their friends. Usually they performing activity like watching television, gonna beach, or picnic in the park. They actually doing same thing every week. Do you feel it? Would you like to something different to fill your free time/ holiday? Can be reading a book can be option to fill your cost-free time/ holiday. The first thing you ask may be what kinds of guide that you should read. If you want to consider look for book, may be the publication untitled Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice can be great book to read. May be it might be best activity to you.

Louella Rape:

Beside this specific Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice in your phone, it can give you a way to get more close to the new knowledge or information. The information and the knowledge you may got here is fresh through the oven so don't always be worry if you feel like an outdated people live in narrow town. It is good thing to have Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice because this book offers to your account readable information. Do you often have book but you do not get what it's about. Oh come on, that would not happen if you have this in the hand. The Enjoyable blend here cannot be questionable, such as treasuring beautiful island. Techniques you still want to miss it? Find this book and read it from right now!

Download and Read Online Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner #6EH0C8XJBO9

Read Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner for online ebook

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner
Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner books to read online.

Online Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner ebook PDF download

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner Doc

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner Mobipocket

Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner EPub

6EH0C8XJBO9: Concrete Repair to EN 1504: Diagnosis, Design, Principles and Practice By Michael Raupach, Till Büttner