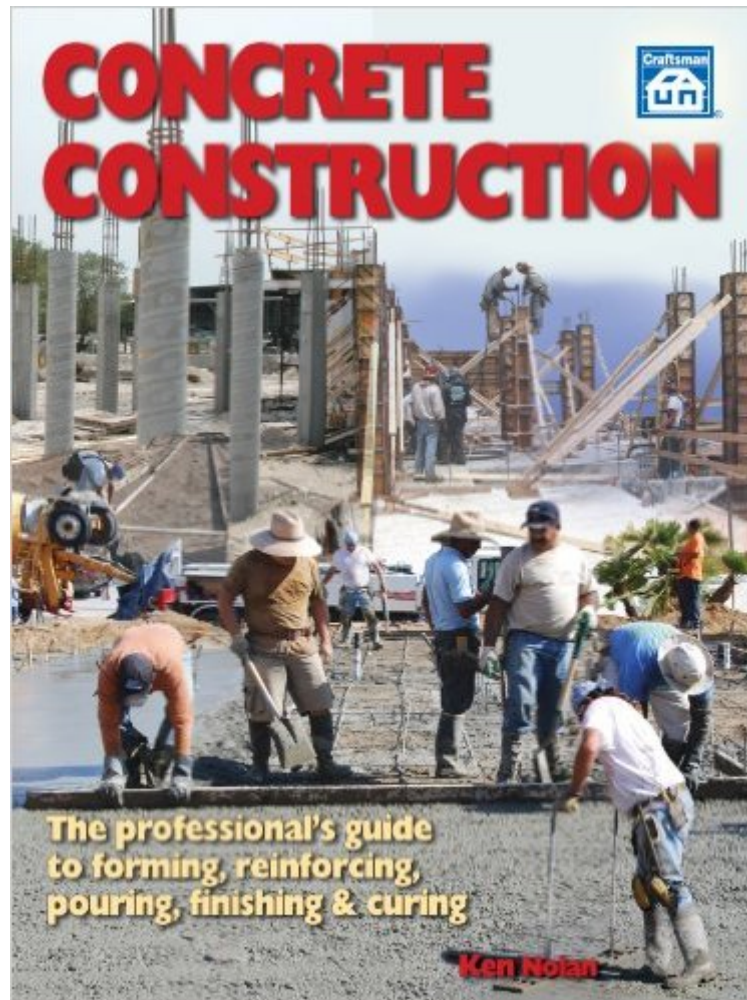


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# Concrete Construction



## Synopsis

Just when you think you know all there is about concrete, many new innovations create faster, more efficient ways to do the work. This comprehensive concrete manual has both the tried-and-tested methods and materials, and more recent innovations. It covers everything you need to know about concrete along with Styrofoam forming systems, fiber reinforcing adjuncts, and some architectural innovations, like architectural foam elements, that can help you offer more in the jobs you bid on. Forming, one of the most important elements of concrete work, gets special attention. Innovative forming systems offer significant benefits, but many contractors steer clear because they're unfamiliar. This book gives you the know-how, so you can take advantage of everything that is out there. Every chapter provides detailed, step-by-step instructions for each task, with hundreds of photographs and drawings that show exactly how the work is done. Here you'll find: How to select the right concrete material for the job. Includes laying out foundations and footings. New footing forms, including Form-A-Drain and stepped footings including prefabricated building forms -- plywood, corrugated-paper, and Steel-Ply® forming systems. Insulated polystyrene concrete forms (ICFs), including ARXX® and Outsulation® systems. It explains planning the pour and what to expect in pre-pour inspections. Shows new techniques for concrete reinforcement, pouring, testing, installing joints, finishing and curing the concrete. Gives info on hot and cold weather pours. Explains techniques for Shotcrete and gunite applications. Also shows special concrete finishes and textures. As a bonus you'll find tips for estimating concrete quantities for large and small projects. Also provides OSHA requirements for working with concrete. There are checklists for each stage of the concrete work, from planning, to finishing and protecting your pours. Whether you're doing residential or commercial work, this manual has the instructions, illustrations, charts, estimating data, rules of thumb and examples every contractor can apply on their concrete jobs.

## Book Information

Paperback: 288 pages

Publisher: Craftsman Book Co (June 30, 2010)

Language: English

ISBN-10: 1572182377

ISBN-13: 978-1572182370

Product Dimensions: 8.4 x 0.7 x 10.8 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars See all reviews (6 customer reviews)

Best Sellers Rank: #641,205 in Books (See Top 100 in Books) #62 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #103 in Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Contracting #112 in Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Masonry

## Customer Reviews

Concrete Construction by Ken Nolan is a useful reference work covering a broad range of concrete construction topics. But, the author does not include "how to" instructions--he describes what to do, but now how to actually do it. Also, the book provides no instructions based on generally-available materials (like how to build concrete wall forms from 2x4s and plywood with wedges and brackets). Instead, it provides pages and pages of detailed instructions regarding how to use certain proprietary products (like Steel-Ply prefabricated forms or ARXX insulated concrete forms), which instructions are doubtless available from those manufacturers without charge. When I pay for a book, I prefer to receive valuable content provided by the author, not a summary of a recommended manufacturer's instructional materials. Finally, given how often Mr. Nolan recommends only one manufacturer's product (like Steel-Ply forms), I wonder if his recommendations are truly unbiased, or if he received product placement promotional consideration.

this book breaks down every aspect of pouring concret. Even so far as to explain the different admixtures and types of concrete and when to use them. I would suggest this book to any beginner.

Am a civil engineer with some experience with concrete. find this book well written and informative without "talking down" to an experienced reader. have picked up some tips and been reminded of others.

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