

Composite Materials: Fabrication Handbook #1 (Composite Garage Series)

By John Wanberg

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While most books on composites approach the subject from a very technical standpoint, this book presents practical, hands-on information about these versatile materials. From explanations of what a composite is to demonstrations on how to actually utilize them in various projects, this book provides a simple, concise perspective on molding and finishing techniques to empower even the most apprehensive beginner. Topics include: what is a composite, why use composites, general composite types, and where composites are typically used. The basics section also includes information on choosing the best resin/fiber system and the different types of both resin and fiber.

Health and safety is a major consideration for any composite book. Author John Wanberg covers threats to both breathing and skin contact and how those contacts can be avoided when working with modern composite materials.

First-time composite workers will need a work space, and this book describes how to setup a shop that is both composite-friendly and safe. Once the shop is established, it's time to begin using typical wet-layup and molding techniques.

Creating useful composite parts starts with a good design, a topic that must be mastered before useful parts can be manufactured. Among the useful parts demonstrated here are both motorcycle and automotive components. The construction of these parts is documented in step-by-step fashion with an abundance of photographs - no step is left out.

Any part created in a mold must be first removed from the mold, and second, finished and trimmed. Surface sanding and finishing makes up an entire chapter, ensuring that the composite parts you manufacture are not only light and extremely strong, but good looking as well.

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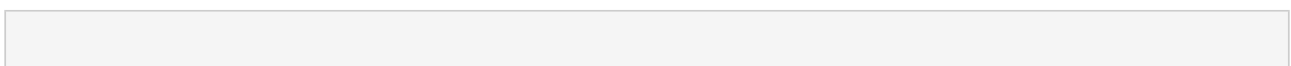
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Composite Materials: Fabrication Handbook #1 (Composite Garage Series) By John Wanberg Bibliography

- Sales Rank: #114025 in Books
- Brand: Brand: Wolfgang Productions
- Published on: 2009-05-15
- Original language: English
- Number of items: 1
- Dimensions: 11.00" h x .38" w x 8.50" l, 1.08 pounds
- Binding: Paperback
- 144 pages



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