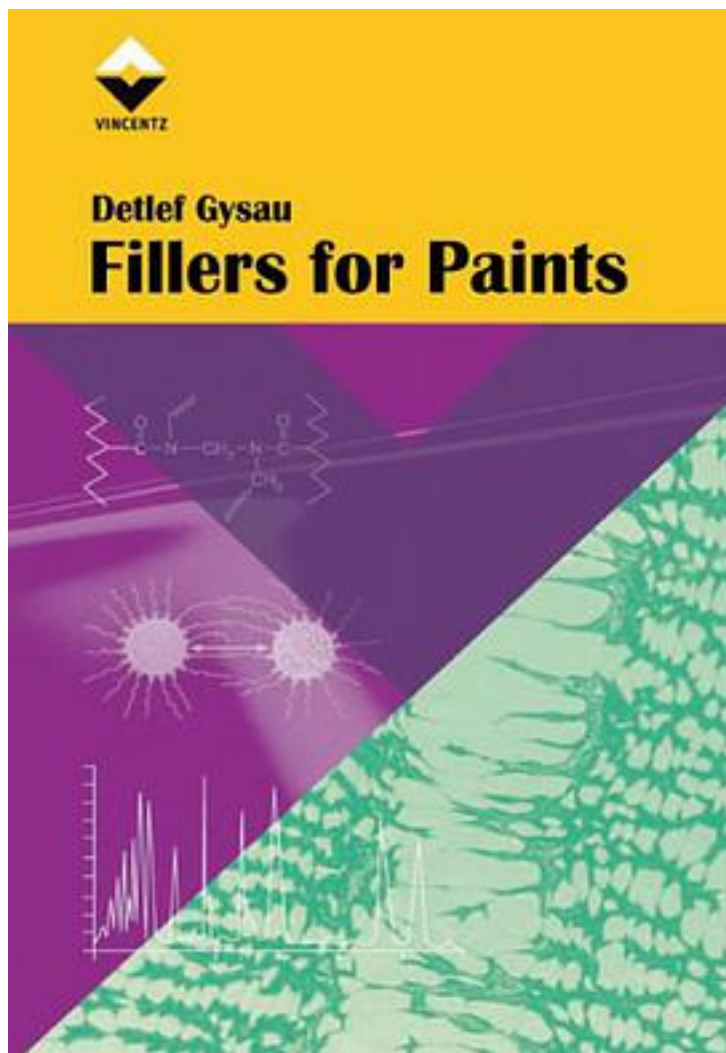


# Fillers for Paints



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Although the topic of fillers for paints is an old one, there has never been a comprehensive book on the subject - until now. The sheer number of minerals and their sources, the frequently underestimated effort that goes into their manufacture, the testing done to characterize their diverse properties, their wide ranging applications - all are excellent reasons for the writing of this book. Fillers are instrumental in many properties of coating materials and films: their rheology, content of volatile organic compounds, solids content, brightness, opacity, reflectivity, adhesion, anti-corrosion characteristics, mechanical and chemical resistance - the list goes on. The bottom line is, proper use of fillers calls for a great deal of knowledge. Fillers, whether carbonate, silicon dioxide or barium sulfate, have always played a decisive role in paint manufacture. In this new book, the author presents an important foundation work which brings out the significance of these substances. It starts by looking at the fillers market, the extraction of natural resources and producing using synthetic manufacturing processes. A detailed description of the mineralogy of common fillers and their use in paints follows. The author also explains the full range of filler-related testing methods, describes characteristics and effects in paint systems and offers an interesting perspective for the future. The book is directed to everyone who is professionally involved with fillers used in coating materials. It gives an excellent overview of the field, while experienced developers will find practical details of immediate relevance to solving their everyday problems.

作者介绍:

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