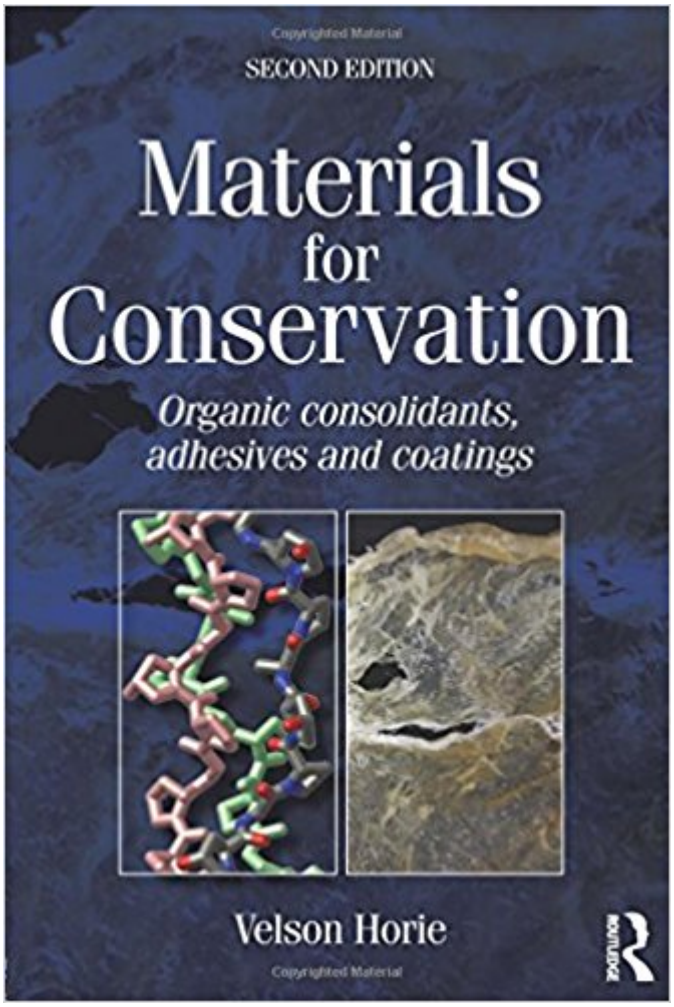
Materials For Conservation



Synopsis

Materials in Conservation is the definitive introduction to the properties of materials used in conservation. The continual struggle of conservators to ameliorate the deterioration of objects has led to increasing use of synthetic polymers. These materials are part of the sophisticated technology that has been developed to augment and often replace traditional materials and methods. Conservators therefore have a wider range of techniques available. However, they must be able to appreciate the potentials and pitfalls of any proposed technique. The first section explains physical and chemical properties which are important in the conservation process, i.e. application, ageing, reversal. The topics covered include molecular weight, glass transition temperature, solubility and solvents, polymerisation and degradation reactions. The second section provides a detailed consideration of the individual materials, current and obsolete, used in conservation, drawing out the factors relevant to their effects on objects. The conservation uses of each material are summarised and referenced to allow further study. In five appendices, the properties of the polymers, solvents and their interactions are tabulated, with a list of suppliers and conversion table of physical units. IUPAC and SI nomenclature is used throughout the book. In this second edition, this classic text is revised and updated to include modern materials such as cyclododecane, and current ideas on adhesion, consolidation and reversibility, making Materials in Conservation the definitive source of vital information in the field. This handy reference book should be on the bench of every conservator and available wherever objects, from steam engines to dried plants, are preserved.

Book Information

Paperback: 504 pages
Publisher: Routledge; 2 edition (August 28, 2010)
Language: English
ISBN-10: 0750669055
ISBN-13: 978-0750669054
Product Dimensions: 6 x 1.1 x 9 inches
Shipping Weight: 1.6 pounds (View shipping rates and policies)
Average Customer Review: 3.6 out of 5 stars 3 customer reviews
Best Sellers Rank: #1,144,744 in Books (See Top 100 in Books) #49 inÃ Â Books > Engineering & Transportation > Engineering > Chemical > Coatings, Ceramics & Glass #85 inÃ Â Books > Crafts, Hobbies & Home > Antiques & Collectibles > Antiques Care & Reference > Care & Restoration #2482 inÃ Â Books > Arts & Photography > Collections, Catalogs & Exhibitions

Customer Reviews

’I can hardly wait for the new edition to come out. I will have several copies bought for the CCI library so that I can have one permanently on my desk.’Ã Â Jane Down, Senior Conservation Scientist, Canadian Conservation Institute.

Velson Horie is a Collection Care and Conservation Consultant. For 28 years he was Keeper of Conservation at The Manchester Museum, The University of Manchester, then was the Research Project Manager at the British Library coordinating an international and interdisciplinary study on the natural ageing of books. Teaching experience includes university lectures, a distance learning course on Chemistry for Conservators and professional updating courses on polymers. He has published extensively on conservation. www.horie.co.uk Ã Â

This books is juste the bible of all restorer and conservator. It is the base that we must have in our profession.

porcelain restoration is just a hobby for me.Maybe it was my fault to think that this book would be useful for my studies,but it was not.The features of the materials are described very detailed and actually nice but it was hard for me to understand and follow the text.If you are doing this job as a professional it is ok,but it was too much for me.

I’d like to address the previous reviewer and anyone reading that review. Please don’t attempt to conserve or restore a work of art yourself. Consult with a conservator who is a member of the American Institute for Conservation of Historic and Artistic Works(AIC)if you are in the US. The AIC website has a directory of conservators which can be searched by location and specialty. In addition to developing knowledge beyond a firm foundation in art history and chemistry, conservators undergo years of training before they even enter a graduate program. It is vital to have a thorough understanding of both the materials of the artwork and how any materials applied to it will interact with them. Most often, do it yourself repairs cause more harm to the art object. After all, you wouldn’t repair a herniated disk if you aren’t a doctor.

Conflict between Global Conservation and Native Peoples (MIT Press) Coral Reef Conservation (Conservation Biology) Carnivore Conservation (Conservation Biology) Reptile Ecology and Conservation: A Handbook of Techniques (Techniques in Ecology & Conservation) Conservation Education and Outreach Techniques (Techniques in Ecology & Conservation) Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Materials for Conservation His Dark Materials Trilogy (His Dark Materials) Exam Prep: Hazardous Materials Awareness And Operations (Exam Prep: Hazardous Materials Awareness & Operations) Composite Materials: Materials, Manufacturing, Analysis, Design and Repair Electrodeposition: The Materials Science of Coatings and Substrates (Materials Science and Process Technology) Transport Phenomena in Materials Processing (The Minerals, Metals & Materials Series) Chemistry of Hazardous Materials (6th Edition) (Hazardous Materials Chemistry) Land Law: Text, Cases, and Materials (Text, Cases And Materials) Materials: Engineering, Science, Processing and Design (Materials 3e North American Edition w/Online Testing) Supramolecular Materials for Opto-Electronics (Smart Materials Series) Materials for Optoelectronics (Electronic Materials: Science & Technology) Handbook of Organic Materials for Optical and (Opto)Electronic Devices: Properties and Applications (Woodhead Publishing Series in Electronic and Optical Materials)