Record Nr. UNINA9911019886103321 Autore Habenicht Gerd Titolo Applied adhesive bonding: a practical guide for flawless results // Gerd Habenicht; translated by Christine Ahner Weinheim: Chichester, : Wiley-VCH, c2009 Pubbl/distr/stampa **ISBN** 9786612021664 9781282021662 1282021664 9783527626458 352762645X 9783527626465 3527626468 Descrizione fisica 1 online resource (188 p.) Altri autori (Persone) **AhnerChristine** Disciplina 668.3 Soggetti Adhesives Binders (Materials) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Includes bibliographical references (p. 145-147) and index. Note generali Nota di contenuto Applied Adhesive Bonding; Contents; Preface; 1 Introduction; 1.1 Bonding as a Joining Process; 1.2 Advantages and Disadvantages of Bonding; 1.3 Terms and Definitions; 2 Structure and Classification of Adhesives; 2.1 Structure of Adhesives; 2.1.1 Carbon as Central Element; 2.1.2 Monomer - Polymer; 2.1.3 Polymer Formation; 2.2 Classification of Adhesives; 2.2.1 Adhesives Curing by Chemical Reaction (Reactive Adhesives); 2.2.2 Adhesives Curing without Chemical Reaction (Physically Setting Adhesives); 2.2.3 Solvent-Containing and Solvent-Free Adhesives 2.2.4 Adhesives on Natural and Synthetic Basis2.2.5 Adhesives on Organic and Inorganic Basis; 2.2.6 Application-Related Names of Adhesives: 3 From Adhesive to Adhesive Layer: 3.1 Reactive Adhesives - Fundamentals; 3.1.1 Pot Life; 3.1.2 Mixing Ratio of the Components; 3.1.3 Impact of Time on Adhesive Curing; 3.1.4 Impact of Temperature

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Sommario/riassunto

This manual provides the most important information on successful bonding. Various practical advices and helpful tips are useful for the handling of adhesives. Due to its didactically structured content, the book may also serve as a medium for training courses in bonding engineering. The basics of this innovative joining procedure are described in a practical and easily understandable way suitable for the application in trade and industry.