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Nota di contenuto	Chapter 1. Open assembly time of water-borne polyvinyl acetate (PVAc) wood adhesives affected by various factors -- Chapter 2. Engineering technology and preparation of coating systems made with epoxy resin-based bonding agents modified with the addition of granite powder sourced from quarry wastes -- Chapter 3. Mechanical and adhesive properties of cement-lime plasters modified with waste granite powder -- Chapter 4. Characterization of fast adhesive curing reactions - A novel experimental setup -- Chapter 5. Material Extrusion on Enamelled Steel Surfaces -- Chapter 6. The effect of the viscosity and the contact angle on the pull-off strength of epoxy resin modified with waste granite powders -- Chapter 7. Investigation of the Cleaning Effectiveness of Laser Radiation for Improved Adhesion on Glass Dust

Contaminated Glass Fiber Reinforced Polyamide 6 -- Chapter 8.
Structural bonding of thin-walled magnesium die cast components -- Chapter 9. The behaviour of CFRP adhesive joints under different loading rates -- Chapter 10. Long-term resistant bonding between wood and aluminium alloy for hybrid lightweight composites -- Chapter 11. Multiaxial fatigue life assessment of adhesive joints based on the concepts of critical planes: Stress-based approaches.

Sommario/riassunto

This book focusses on structural bonding, including many facets, like fundamental aspects of adhesion, science and technology of surfaces, adhesive materials, mechanical properties of bonded joints, innovative designs and applications, testing and standardization, industrial aspects, quality procedures, environmental and ecological aspects. This first volume of the new series gathers selected contributions of the 6th international conference on structural adhesive bonding AB 2021, held in Porto, Portugal, 8-9 July 2021, represents the latest trends and serves as a reference volume for researchers and graduate students working in this field.
