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Nota di contenuto	Part I. Adhesive formulation and properties -- Chapter 1. Analysis of the influence of basalt powders on the mechanical properties of epoxy coatings (Agnieszka Chowaniec-Michalak) -- Chapter 2. Experimental validation of the characterisation of highly flexible adhesives using multiple specimen configurations (F.J. Simón-Portillo) -- Part II. Adhesion and surface treatments -- Chapter 3. The Effect of Adhesive Strength on Thin-Walled Metal Surfaces Coated with Cataphoresis Application according to Adhesive Thickness (Baykara C) -- Chapter 4. Adhesive Properties of Polyurethane Paint Coatings Modified with Multi Walled Carbon Nanotubes for Hardwood Protection (Karolina Brzozowska) -- Chapter 5. The effect of the synergistic application of waste granite powder and linen fibers on the adhesive properties of

ecological epoxy coatings (ukasz Kampa) -- Part III. Joint design -- Chapter 6. Investigation of Adherend Thickness in Thin-Ply HybridLaminates (Farin Ramezani) -- Chapter 7. Utilizing the anti-plane punch-through shear specimen for mixed-mode I/III fracture analysis of epoxy resins (J. Bidadi) -- Part IV. Durability of structural adhesive joints -- Chapter 8. Silicone pressure-sensitive adhesives modified with halloysite of increased thermal resistance (Adrian Krzysztof Antosik) -- Chapter 9. SPECSIL - silicone pressure-sensitive adhesives exhibit increased thermal-mechanical properties (Adrian Krzysztof Antosik).

Sommario/riassunto

This book gathers selected contributions of the 7th international conference on structural adhesive bonding AB 2023, held in Porto, Portugal, July 13–14, 2023. The book provides the latest trends and developments related to structural bonding. Topics like adhesive formulation and properties, adhesion and surface treatments, joint design, and durability of structural adhesive joints are covered. This book offers a wealth of information for researchers, students and engineers in industry.