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Altri autori (Persone)	WeitzenbockJan R
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Sommario/riassunto	As a method of joining with economic, performance-related and environmental advantages over traditional welding in some applications, adhesive bonding of joints in the marine environment is increasingly gaining popularity. Adhesives in marine engineering provides an invaluable overview of the design and use of adhesively-bonded joints in this challenging environment. After an introduction to the use of adhesives in marine and offshore engineering, part one focuses on adhesive solution design and analysis. The process of selecting adhesives for marine environments is explored, followed by an examination of the bonding of adhesives to common marine materials. Part two covers the testing and characterisation of adhesively-bonded joints, including the mechanical, physical and chemical testing of joints and the use of non-destructive testing to evaluate joints. The book concludes with a chapter on the use of adhesives in the repair of marine structures.