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Nota di contenuto	Introduction to Contemporary Post-Tensioned Concrete and Fire -- Contemporary Post-tensioned Concrete Construction -- Structural Fire Test Research Programmes for Post-tensioned Concrete -- Localized Heating of Post-tensioned Concrete Slabs Research Program -- Recommendations for Advancing the Fire Safe Design of Post-Tensioned Concrete.
Sommario/riassunto	This SpringerBrief equips readers to develop defensible fire safety designs for a range of concrete structures. It identifies current gaps in the research and provides a more complete understanding of the structural and thermal response of contemporary Post-tensioned (PT) concrete structures to fire. The brief includes chapters on

contemporary construction using PT concrete, previous structural fire test research programs, recent research programs, real fire case studies, and current research needs. It explores the progression of PT concrete structures, looking at the sustainability and aesthetic benefits, the ongoing development of stronger concretes, and best practice guidance for improving safety in the event of fire. Designed for practitioners and researchers in fire engineering, this brief is a valuable tool for those studying the impact of fire on concrete, fire safety designs, and building safety optimization. Advanced-level students in civil engineering will also find the content useful.