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Titolo	Hygrothermal Behaviour and Building Pathologies / / edited by J.M.P.Q. Delgado
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ISBN	3-030-50998-2
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (VII, 155 p. 124 illus., 81 illus. in color.)
Collana	Building Pathology and Rehabilitation, , 2194-9840 ; ; 14
Disciplina	696
Soggetti	Building materials Thermodynamics Heat engineering Heat transfer Mass transfer Sustainable architecture Building Materials Engineering Thermodynamics, Heat and Mass Transfer Sustainable Architecture/Green Buildings Structural Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Wetting and Drying Patterns in a Wet Moisture Reference Year Identified Using the Weinert's Index: Station Versus Gridded Data -- Knee Point Detection in Water Absorption Curves: Hygric Resistance in Multilayer Building Materials -- Adhesion of Gypsum Plaster Coatings: Experimental Evaluation -- Model to Estimate Concrete Carbonation Depth and Service Life Prediction -- Artificial Intelligence Applied in the Concrete Durability Study -- Pre-diagnosis Protocol for Large Residential Building Stock. The Case of Barcelona's Vulnerable Areas.
Sommario/riassunto	This book presents recent research in the area of construction pathology, hygrothermal behaviour of buildings, service life and diagnostic techniques, and highlights the latest developments in building physics, hygrothermal behaviour, durability and numerical models applied to building materials analysis. Discussing the state of

the art in the field, and covering topics relevant to variety of engineering disciplines, such as civil, materials and mechanical engineering, it will appeal to scientists, students, practitioners, lecturers and other stakeholders.
