

1. Record Nr.	UNINA9910760289403321
Autore	Paoletti Ingrid
Titolo	Executive Design of the Façade Systems : Typologies and Technologies of the Advanced Building Envelopes / / by Ingrid Paoletti, Massimiliano Nastri
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-44893-6
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (145 pages)
Collana	PoliMI SpringerBriefs, , 2282-2585
Disciplina	729.1
Soggetti	Sustainable architecture Renewable energy sources Facility management Sustainable Architecture/Green Buildings Renewable Energy Facility Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	The Composition of the Façade Systems in Building Technology -- The Typology of the Mullions and Transoms Façade System -- The Typology of the Structural Sealant Glazing Façade System -- The Typology of the Unit Façade System -- The Typology of the Suspended Façade System -- The Typology of the Double Skin Façade System.
Sommario/riassunto	The book examines the typological and technological constitution of the principal advanced façade systems in the contemporary design and experimental scenario, proposing itself as a knowledge and operational tool currently lacking in the technical literature of the sector at an international level. It considers the field of advanced façade systems in a scientific way, constituting a support for the study and the executive design. The book investigates in detail, in an analytical form, the constitution of the components on a typological and geometrical, functional and constructive level, on the basis of the documents and knowledges acquired from the essential contemporary production and construction references. At the same time, the book is configured in a handbook form as a reference for understanding and application with

respect to traditional and complex façade systems. For each main type of façade, the book provides explanations and scientific information for investigating and designing the advanced façades according to the characteristics of the mullions and transoms façade system (stick system), of the structural sealant glazing façade system, of the unit façade system, of the suspended façade system and of the double-skin façade system.

---