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Record Nr. UNINA9910767558303321 Autore Paoletti Ingrid Titolo Construction of the Façade Systems: Production and Assembly Procedures of the Advanced Building Envelopes / / by Ingrid Paoletti, Massimiliano Nastri Cham:,: Springer Nature Switzerland:,: Imprint: Springer., 2024 Pubbl/distr/stampa **ISBN** 9783031496080 3031496086 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (146 pages) Collana PoliMI SpringerBriefs, , 2282-2585 Altri autori (Persone) NastriMassimiliano Disciplina 720.47 696 Soggetti Sustainable architecture Renewable energy sources Facility management Sustainability Sustainable Architecture/Green Buildings Renewable Energy Facility Management Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto The Productive, Constructive and Expressive Articulation of the Advanced Envelope System -- The Structural Procedures of the Advanced Envelope Systems -- The Building Procedures of the Advanced Envelope Systems -- The Technical Interfaces of the Advanced Envelope Systems -- The Connections between the Framing Profiles and the Glazing Envelopes -- The Technical Processing of the Joints in the Façade Systems -- The Executive Design of the Technical Interfaces according to Performance under Fire Load. Sommario/riassunto The book explores the advanced façade systems according to the productive and constructive contents, in a cognitive and operative form, as a manual text to provide guidelines for researchers, technicians and professionals. It provides operational guidance for the

technological design, production planning and site executive

coordination for the realization of façade systems. The analysis deals with the main building elements and technical interfaces. The study of the facade systems, after explaining the anchoring structures and their connections to the load-bearing elements, investigates the criteria for the assembly between the framings. In particular, the book examines the technical interfaces of the main advanced envelope systems with respect to the functional, constructive and applicative coordination procedures of the mullions and transoms framing, of the structural sealant glazing facade system, of the unit facade system, of the suspended façade system and of the double skin façade system. The technical and manual character of the book is also expressed through the analysis of the functional and application procedures of the gaskets with respect to the façade systems in order to prevent the transmission of air and water loads: the analysis focuses on the connections between the framing and the enclosure elements of the envelope, in accordance with the compensation of height differences in order to guarantee impermeability, airtightness and insulation. Then, the book describes the assembly and interface conditions between elements of different composition and production within the façade systems: the examination of the technical interfaces involves the development and application of sealants, based on the loads exerted on the jointing devices, in order to fulfill the requirements of sealing and tightness with respect to mechanical, thermal and hygrometric, water, air and wind stresses. Moreover, the study of the envelope systems examines the methodologies directed toward fulfilling the requirements with respect to the actions caused by fire loads, considering the contents related to both components and connections and fixing surfaces.

3. Record Nr. UNINA9910557634703321 Autore Xu Hanshi Titolo Immunomodulatory Functions of Fibroblast-like Synoviocytes in Joint Inflammation and Destruction during Rheumatoid Arthritis Pubbl/distr/stampa Frontiers Media SA, 2020 Descrizione fisica 1 online resource (86 p.) Soggetti **Immunology** Medicine and Nursing Lingua di pubblicazione Inglese Materiale a stampa **Formato** Livello bibliografico Monografia This eBook is a collection of articles from a Frontiers Research Topic. Sommario/riassunto Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.

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