

As1288 2006 Australian Standards Glass In Building

Glass BuildingsGlass in BuildingGlass in BuildingThe Use of Glass in BuildingsThe Place of Glass in BuildingGlass in BuildingStructural Glass Facades and EnclosuresBasics Glass ConstructionGlass in Building. Laminated Glass and Laminated Safety Glass. Definitions and Description of Component PartsBuilding Construction and Superintendence: Carpenters' workGlass Construction ManualBuilding Construction and SuperintendenceStructural Use of Glass in BuildingsTranslucent Building SkinsBuilding Code Recommended by the National Board of Fire UnderwritersBuilding Supply NewsGlass in BuildingComplete Self-instructing Library of Practical Photography: General exterior photography compositionHandbook of Building ConstructionGuidelines for Use of Glass in Buildings Heinz W. Krewinkel Bernhard Weller David Button Valerie L. Block John Gloag Bernhard Weller Mic Patterson Andreas Achilles British Standards Institute Staff Frank Eugene Kidder Christian Schittich Frank Eugene Kidder C. O'Regan Scott Murray David Button James Boniface Schriever George A Hool Glass Buildings Glass in Building Glass in Building The Use of Glass in Buildings The Place of Glass in Building Glass in Building Structural Glass Facades and Enclosures Basics Glass Construction Glass in Building. Laminated Glass and Laminated Safety Glass. Definitions and Description of Component Parts Building Construction and Superintendence: Carpenters' work Glass Construction Manual Building Construction and Superintendence Structural Use of Glass in Buildings Translucent Building Skins Building Code Recommended by the National Board of Fire Underwriters Building Supply News Glass in Building Complete Self-instructing Library of Practical Photography: General exterior photography composition Handbook of Building Construction Guidelines for Use of Glass in Buildings *Heinz W. Krewinkel Bernhard Weller David Button Valerie L. Block John Gloag Bernhard Weller Mic Patterson Andreas Achilles British Standards Institute Staff Frank Eugene Kidder Christian Schittich Frank Eugene Kidder C. O'Regan Scott Murray David Button James Boniface Schriever George A Hool*

glass is a material which renders possible an especially elegant architectural language this book provides a detailed insight

into a world of technically sophisticated structures twenty five projects from the past five years are presented here in a wealth of detail by way of descriptions photographs and scale drawings the buildings selected encompass a wide range of different types and functions providing an intriguing record of the whole spectrum of current developments in glass technology and the role it plays in construction

glass in building opens up a whole range of fascinating design possibilities for the planning architect glass has long served as a translucent room closing element but its range of possible uses is actually much wider it not only offers protection against the external world for example noise or fire despite its apparent fragility it can even take on load bearing functions in supporting structures in combination with various different finishing methods materials and coatings it also satisfies exacting structural physical standards glass in building offers a clear compact and illustrated overview of the material appropriate use of this varied and versatile material in building construction and provides information that goes far beyond the basics on designing with glass and producing and using specialized glass products as well as on the building and planning regulations that must be taken into account when constructing with glass a selection of exemplary realized projects rounds out the theoretical section das bauen mit glas eröffnet dem planenden architekten faszinierende gestalterischemöglichkeiten schon lange dient es als lichtdurchlässiger raumabschluss ist aber weitaus vielfältiger einsetzbar glas bietet nicht nur schutz vor der aussenwelt etwa gegen lärm oder feuer sondern kann trotz seiner vermeintlichen zerbrechlichkeit sogar lastabtragende funktionen innerhalb eines tragwerks übernehmen in kombination mit verschiedenen veredelungsmethoden materialien und beschichtungen erfüllt es auch hohe bauphysikalische anforderungen detail practice konstruktiver glasbau liefert einen kompakten anschaulichen Überblick über den materialgerechten einsatz dieses facettenreichen baustoffs in der baukonstruktion und vermittelt weit über die grundlagen hinausreichende informationen zum entwerfen mit glas zur herstellung und anwendung spezieller glasprodukte sowie zu den baurechtlichen regelungen die im glasbau zu berücksichtigen sind eine auswahl beispielhafter realisierter projekte rundet den theoretischen teil ab

a comprehensive guide to the nature and performance of glass and its relationship with the building occupant prepared by a team of expert contributors from pilkington glass ltd the volume explores the visual thermal mechanical and protective functions so that specifiers of glass can fully understand what they can achieve with it numerous line diagrams help to

explain relevant points of theory while built examples are illustrated by color photographs throughout the text primarily for architects and design professionals annotation copyright by book news inc portland or

this proceedings volume from the american society for testing and materials contains 16 papers by industry professionals on the use of glass in buildings with an emphasis on glass design editor block discusses codes and standards affecting glass in buildings in the u s and abroad other topics inc

originally published in 1943 the place of glass in building is a comprehensive and compact survey of the structural uses of glass in 20th century architecture it gives the facts about the physical properties the possibilities and the limitations of the glass in common use it also deals with the attributes of specialised and decorative glass and provides detailed descriptions of the principal types which were manufactured in the uk intended for architectural students it may also be of interest to architects for it is a condensed survey of the progress that has been made in this structural and decorative material

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hinausreichende Informationen zum Entwerfen mit Glas zur Herstellung und Anwendung spezieller Glasprodukte sowie zu den baurechtlichen Regelungen die im Glasbau zu berücksichtigen sind eine Auswahl beispielhafter realisierter Projekte rundet den theoretischen Teil ab

A comprehensive guide to structural glass facades for architects, engineers, and builders. Once an experimental building form, structural glass facades have matured into a fully robust technology. Structural glass facades and enclosures documents defines and categorizes the current state of the art in long span glass facade design and construction, with a focus on structural systems, glass cladding options, and implementation strategies for innovative design. A comparative analysis of these various systems is included, along with designs and design practices for enhancing transparency, engineering issues, material process and fabrication considerations, installation means and methods, and project delivery strategies for implementing innovative building technology in today's construction marketplace. The reader will find information here that is not available together in any single resource, including structural system types and design options with integrated glass system options and their application on each of the structural types. An in-depth discussion of design, fabrication, and installation issues relative to each system type, accompanied by illustrations and photographs, a discussion of the challenges of implementing innovative design and technology in the construction industry, and operational practices to improve the probability of success. A series of in-depth case studies documenting representative samples of stunning built works that employ the technology and design principles identified in the book. Structural glass facades and enclosures provides expert content for putting cutting-edge technology into real-life practice, creating new potential for fresh applications, embracing both aesthetic and performance solutions, and for the adoption of the technology by architects, builders, and facade practitioners.

Glass construction is one of the most varied and innovative areas of structural design. Glass connects exterior and interior spaces at the same time it protects the interior space from the outside world. Its constructional possibilities go far beyond classical window constructions. Special glasses possess astonishing physical characteristics and can thus be used in varied and creative ways. Topics include glass as a building material, processing and finishing applications, construction types, connections, and mountings.

Glass safety, glass glazing, laminates, buildings, construction materials, construction systems, parts, vocabulary, terminology

components fire resistant materials

glass offers a wide variety of possible applications for the realization of even the most ambitious designs in architecture and in the past two decades it has experienced an unparalleled burst of innovation for planners this means working constantly with this high performance material in compact and appealing form the completely revised glass construction manual presents the current state of the art on planning and building with glass from the history through the technical foundations all the way to the most innovative applications astonishing perspectives on thermal insulation and solar protection and the addition of thoughtfully selected new practical examples round off this comprehensive reference work

exploring the design of innovative building enclosure systems or skins in contemporary architecture and their precedents in earlier twentieth century modern architecture this book examines the tectonics the history and the influence of translucency as a defining characteristic in architecture highly illustrated throughout with drawings and full colour photographs the book shows that translucency has been and continues to be a fertile ground for architectural experimentation each chapter presents a comparative analysis of two primary buildings a recent project paired with a historical precedent highlighting how architects in different eras have realized the distinctive effects of translucency the included buildings span a variety of program types ranging from a single family residence to a factory to a synagogue whether it is pierre chareau s glass lens curtain wall at the maison de verre frank lloyd wright s wall of stacked glass tubes at the johnson wax research tower or peter zumthor s use of acid etched glass in a double skin envelope at the kunsthaus bregenz the included projects each offer an exemplary case study of innovations in materiality and fabrication techniques today among many contemporary architects there is an engagement with new technologies new material assemblies and new priorities such as sustainability and energy efficiency a resurgent interest in translucency as a defining quality in buildings has been an important part of this recent dialogue and this book makes essential reading for any architect looking to incorporate aspects of translucency into their buildings

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since its publication in 1993 glass in building has rapidly become the definitive book on this most important modern building material now the book is re issued in paperback so that a greater audience can enjoy and gain value from this work glass

fulfils a multitude of functions in buildings in addition to its traditional day lighting role innovative architectural designs together with the development of new glass types continually extend the range of applications of this material glass in building is a comprehensive guide to the nature and performance of glass and its relationship with the building occupant prepared by a team of expert contributors from pilkington glass limited the book explores the visual thermal mechanical and protective functions so that specifiers of glass can fully understand what they can achieve with it numerous line diagrams help to explain relevant points of theory while built examples are illustrated by colour photographs throughout the text glass in building will help architects and design professionals to approach glass specifications with increased understanding and confidence it will also be a valuable reference for construction professionals academics students and anyone wanting to know more about this unique material

about the book more and more glass is being used in buildings it is no longer considered a fragile material it is recyclable and affordable glass is available in a wide range of architectural structural optical and acoustical properties to address t

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