



1st Announcement

Half-day Seminar on Design and Application of Laminated Glass with Composite Action

Jointly Organized by
Façade Group, Hong Kong Institute of Steel Construction
Hong Kong Façade Association

Supported by
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University
Structural Division, The Hong Kong Institution of Engineers

Sponsored by
Kuraray Asia Pacific Pte. Ltd.
Tianjin North Glass Industrial Technical Co., Ltd.

Date	:	15 March 2024 (Friday afternoon)
Venue	:	9/F, Auditorium, The HK Federation of Youth Groups Building 21 Pak Fuk Road, North Point, Hong Kong. (MTR Quarry Bay Station, Exit C)
Time	:	1:45 pm (registration) for 2:00 pm to 6:00 pm

Scope and Objective

Principal feature of laminated glass is the safety performance under impact and breakage. The interlayers absorb the energy of the impact and resist penetration. Although the glass may break, the glass fragments remain firmly bonded to the interlayer, minimizing the risk of injuries. There is always the possibility of glass breakage in glass skylights, canopies, sloped glazing, glass floor, glass staircase etc. and glass balustrade. Therefore, the safety requirements against broken glass are stipulated in the Code of Practice for Structural Use of Glass 2018. At the same time, a simplified design provision for laminated glass with composite action is introduced in the Glass Code together with some measures in quality control and quality assurance.

Regarding the increased use of laminated glass in residential buildings, commercial buildings and retails. Laminated glass with ionoplast interlayer such as SentryGlas® Plus (commonly known as SGP interlayer) are able to fulfill the high architectural safety standards at a reduced thickness compared to glass laminates with PVB interlayer. SentryGlas® interlayer was chosen primarily for its enhanced strength compared to laminates with PVB (which allowed a 30% thinner glass construction), its post-glass breakage retention properties and its visual clarity when used in combination with low-iron vision glass.

The seminar is tailor-made for the practising building professionals comprising Authorized Persons, Registered Structural Engineers, Technically Competent Persons and Façade practitioners to attend.

Language: Cantonese and English



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Fees & Registration

Registration rates are devised, please make your reservation now.

Registration	HKISC or HKFA member	HKIE member or Group of 5+	Others
	HK\$500 each	HK\$500 each	HK\$600 each

Registration & Enquiry: (Tel) 2704 7597 (Email) info@hkfacade.org

CPD certificate: This seminar is recommended for half CPD day & upon request only

Programme

Time	Programme
1:45 pm – 2:00 pm	Registration
2:00 pm – 2:45 pm	Codified Design for Laminated Glass with Compositing Action <i>Ir. Dr. Dominic Yu</i> <i>Principal of Alpha Consulting Limited</i>
2:45 pm – 3:30 pm	Structural Applications and Security/BRG <i>Mr. Ron Hull</i> <i>Global Director of High Performance Product, Kuraray.</i>
3:30 pm – 4:00 pm	Break
4:00 pm – 4:45 pm	Structural Analysis and Behaviour of Laminated Glass <i>Mr. George Zhou</i> <i>Technical Director of Kuraray (Shanghai) Co., Ltd.</i>
4:45 pm – 5:15 pm	Rethink Testing of Laminated Glass with Composite Action <i>Ir. Dr. Dominic Yu</i> <i>Principal of Alpha Consulting Limited</i>
5:15 pm – 5:45pm	Technical Sharing on the Tallest Glass Wall in Hong Kong - Taikoo Phase 2A & 2B <i>Mr. Andy Chan</i> <i>Marketing Manager of G&M Engineering Co., Ltd.</i>
5:45 pm – 6:00 pm	Q & A Collection of CPD certificates



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REGISTRATION FORM
(To be replied on or before 29 February 2024)

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	Name	Company	Tel.	Email	CPD Cert. (✓ / ✗)
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Biography of speaker



Ir. Dr. Dominic Yu
MSc, PhD, MHKIE, FHKISC, MHKICA
Principal of Alpha Consulting Limited

Ir. Dr. Dominic Yu is a Research & Engineering based specialist in structural design and structural use of glass. He is the Principal of Alpha Consulting Limited, providing consultancy services on glass and facade engineering, non-linear integrated design and analysis, structural fire engineering, product development, etc. He is a Part-time Lecturer in Fire Safety Engineering Programme of University of Central Lancashire & CityU SCOPE. He is also a Visiting Lecturer for MSc Module of Façade Engineering in the Civil Engineering Programme at the Hong Kong Polytechnic University. Before joining Alpha Consulting Limited, Dr. Yu worked as Specialist Test Consultant and Approved Signatory of Research Engineering Development Façade Consultants Limited (RED Façade and Fire HOKLAS Testing Laboratory).

Dr. Yu obtained Doctoral Degree of Philosophy in Civil Engineering (Structures), Master Degree in Fire Safety Engineering, and Bachelor Degree in Civil Engineering. He worked as a Research Associate in the Department of Civil and Structural Engineering at the Hong Kong Polytechnic University to serve as Technical Secretary of the consultancy study contributing to the “*Code of Practice for the Structural Use of Steel 2005*” and the 2011 version. He also compiled the Explanatory Materials of the Steel Code for Buildings Department. Dr. Yu is Professional Consultant for the Consultancy Study of “*Code of Practice for Structural Use of Glass 2018*” for Buildings Department.

Dr. Yu is also actively serving the industry and the university by delivering various technical seminars and lectures. He delivered over 140 technical seminars in various institutions including **HKIE, HKISC, HKIS, HKFA, RICS, HKICW, CIOB, BD, ArchSD, HD**, etc., in which over 100 seminars since 2012 for the topics related to “Glass and Façade Engineering” including Statutory Requirements, Analysis, Design, Testing, Quality Control, Practical Consideration, Production, Installation, and Inspection.

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Biography of speaker



*Mr. Ron Hull
Global Director of High Performance Product, Kuraray.*

Ron Hull, P.E, CDT® is the Global Director of High-Performance Products for Kuraray. Ron is based in the USA and holds a bachelor's degree in engineering and a Master's in Business Administration. He currently serves on the Board of Directors for the Facade Tectonics Institute (FTI) and CSI South Florida Chapter and is also the Secretary and Treasurer of the Glazing Industry Code Committee (GICC). Ron is an active member of the Florida AIA, Construction Specifications Institute (CSI) and Fenestration and Glazing Industry Alliance (FGIA).

Biography of speaker



Mr. George Zhou
Technical Director of Kuraray (Shanghai) Co., Ltd.

George Zhou has accumulated over 15 years of experience in the laminated glass industry and currently serves as the Technical Director for Kuraray China. In addition, he possesses a diverse background with 12 years of expertise in Electronics and Contamination Control at DuPont and GE Plastic.

With his extensive knowledge and combined skill set, George exhibits exceptional proficiency in troubleshooting and uncertain defects within glazing systems, particularly related to laminated safety glass. Moreover, he actively contributes as a member of the safety glass branch committee of the National Technical Committee of Auto Standardization. Furthermore, George holds a MS degree in Environmental Engineering from Shanghai Jiao Tong University.

Biography of speaker



*Mr. Andy Chan
Marketing Manager of G&M Engineering Co., Ltd.*

Mr. Andy Chan is the Marketing Manager of G&M Engineering Company Limited and leads business development in the field of jumbo-sized glass façade. He has over 30 years of professional experience in the building industry with extensive experience on podium façade and curtain wall maintenance and A&A works. He has worked on numerous prestigious landmark construction projects such as Taikoo Place IIA & IIB, Pacific Place, and The Peak Tower etc.

Mr. Chan is actively serving the façade industry and has been elected as the Vice President of Hong Kong Façade Association ("HKFA"). He helps the HKFA to organize Technical Seminars to share professional experience and Foundation Course to introduce brief concepts and core curriculum to candidates who are currently in the construction industry and keen to widen their knowledge.