



Half-day Workshop on DOs and DON'Ts on Building Control of Tempered Glass and Latest Heat Soak Process to BS EN 14179-1: 2016

Organized by
Façade Group, Hong Kong Institute of Steel Construction
Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University

Supported by
Joint Structural Division, The Hong Kong Institution of Engineers

Date:	24 March 2017 (Friday afternoon)
Venue:	Room Y302, The Hong Kong Polytechnic University, Hung Hom, Kowloon
Time:	1:45 pm (registration) for 2:15 pm to 5:45 pm

Scope and Objective

Breakage of tempered glass may be attributed to three primary causes, i.e. design fault, bad workmanship and spontaneous breakage respectively. Amongst these causes, the spontaneous breakage due to Nickel Sulphide (NiS) inclusion is reckoned as the commonest cause that is directly related to the quality assurance and control during the course of manufacturing tempered glass.

In the advent of a series of incidents on glass breakage, the control on the tempered glass has been tightened up. As stipulated in the Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers (PNAP) APP-37 on Curtain Wall, Window and Window Wall Systems, the following documents are required to be submitted: -

- Quality Assurance Scheme by the glass manufacturer prior to the consent application of the glass works;
- Quality Supervision Plan by the RSE prior to the consent application of the glass works;
- Heat Soak Process Compliance Report by the RSE prior to the application of an occupation permit; and
- Quality Supervision Report by the RSE prior to the application of an occupation permit.

The workshop is tailor-made for the quality control supervisors as required under the PNAP APP-37. They are Technically Competent Persons of grade T3 (under the RSE stream) and of grade T1 (under the RC stream) working in the glass façade field. The DO and DON'TS will be deliberated so as to enhance the effectiveness and efficiency when carrying out building control on tempered glass. The heat soak process and calibration requirement is conducted to the requirements as stipulated in new version of BS EN 14179-1:2016.

The documents and tests that need to be prepared and carried out by the manufacturer in the quality assurance would be cited. The techniques of calibrating the heat soak oven, the proper installation of the data logger with thermocouples on the glass surface and the rationale of installing an independent data logger by the TCP-T1 would be mentioned in great detail.

Language: Cantonese supplement with English terminologies. Handout notes will be in English.

Speaker

The HKISC have the great pleasure to invite Ir Dr. Dominic YU, a Corporate Member of the HKIE as well as an expert in the structural design and use of glass, to deliver the workshop. Dr. YU is now working at Alpha Consulting Limited, responsible for designing and supervising a number of curtain walls, window walls and glass balustrade works.

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Programme

Time	Programme
1:45 pm	Registration
2:00 pm – 3:30 pm	Rationale of PNAP APP-37 – Curtain Wall, Window and Window Wall Systems Latest Calibration Requirement and Heat Soak Process to BS EN 14179-1: 2016. Q & A
3:30 pm – 4:00 pm	Break
4:00 pm – 5:30pm	Framework of Quality Supervision Plan DOs and DON'Ts in the Quality Control of Tempered Glass Case Studies Q & A
5:30pm - 5:45 pm	Collection of CPD certificates; End of workshop

Fees & Registration

Registration rates are devised, please make your reservation now.

Registration	HKISC member	HKIE member or Group of 5 +	Non-member
	HK\$ 600	HK\$ 700	HK\$ 800

The registration includes a copy of the lecture notes, a copy of half-day CPD certificate, tea refreshments.

Should you have further query, please do not hesitate to contact Mr. Sam CHAN at samchan@hkisc.org.



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**REGISTRATION FORM
(To be replied on or before 20 March 2017)**

Please follow the 2-step registration procedure:

1. Fax the completed registration form to *Mr Sam CHAN* (Fax: 852-2334 6389) for preliminary registration.
2. Post the completed registration form within 7 days together with a crossed cheque payable to **Hong Kong Institute of Steel Construction Limited** to *Mr Sam CHAN*, at:

Room ZS 972, Department of Civil and Environmental Engineering,
The Hong Kong Polytechnic University, Hungghom, Kowloon, Hong Kong, China.

on or before the deadline.

To: Mr Sam CHAN

Fax: 852- 2334 6389

Personal Details:

Title	Name in full (Block Letter)	Name of Company	Tel.	E-mail address	Institution/ Membership No.
1.					
2.					
3.					
4.					
5.					

Item	Total no. of registration	Sub-total
1. Regular registration (Member*price)	_____ person(s)	= HK\$ _____
2. Regular registration (Non-member price)	_____ person(s)	= HK\$ _____

Postal Address
(for official receipt):

I enclose a crossed cheque (no. _____) with a sum of HK\$ _____ for the registration fee of the captioned Workshop.

Signature: _____ Date: _____

CPD Certificate of Attendance Please tick the appropriate box to indicate your choice:

Yes, I/ we would like to have CPD certificate(s). Not request for certificate(s).