

## DETAILS

### Evolution of Glazing System – 15 September 2005 (Thursday)

Seminar Fee:  
SIA Member \*Complimentary access  
\* For SIA Members whose registrations have been confirmed, attendance is compulsory. Absentee will be charged **S\$20.00 (incl GST)**  
BOA/CIJC Member S\$ 30.00 (incl GST)  
Non-Member S\$ 40.00 (incl GST)

Closing Date for Registration : **8 September 2005**  
Enquiry (call Ms Jasmine Chan) : Tel: (65) 6226 2668  
Fax: (65) 6226 2663

## REGISTRATION

Name: \_\_\_\_\_  
NRIC No: \_\_\_\_\_  
Membership No: [ ] SIA \_\_\_\_\_  
[ ] CIJC (Pls specify Institution) \_\_\_\_\_  
[ ] BOA Reg No \_\_\_\_\_ [ ] Non-Member  
Organisation: \_\_\_\_\_  
Address: \_\_\_\_\_ S ( )  
Tel: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_  
Contact Person: \_\_\_\_\_  
Bank/Cheque No: \_\_\_\_\_ Amount S\$ \_\_\_\_\_

Please forward your registration form and crossed cheque payable to "**Singapore Institute of Architects**" before the closing date to:



Ms Jasmine Chan  
Singapore Institute of Architects  
79B Neil Road, Singapore 088904

Registration will be on a First-Come-First-Served basis and will be accepted upon receipt of registration form and payment to SIA. Registration by fax will only be confirmed upon receipt of payment.

Cheque payment for this activity **should not be** combined with payment for other SIA events/courses.

Fees paid are non-refundable under all circumstances. Replacement of participant will be allowed only if notification is made at least 7 days before the event.

Where a Non-Member replaces a Member (must be from the same organisation) the fee difference will have to be made good to SIA prior to the event.

## SYNOPSIS

### Evolution of Glazing System

With the extensive use of glass in modern architecture, solar heat gain has been a major concern. There are several glazing systems used to reduce heat gain and one such way is the installation of solar control films.

To dispel the myth that the darker the film applied on window, the more heat is kept out, spectrally selective films will be introduced, where the clarity of window can be maintained without compromising its performance. To be launched soon is a 10 multi-layer sputtered film, said to be the first of its kind in the world; the film rejects more than 60% of total solar energy, achieving a Solar Heat Gain Coefficient (SHGC) of 0.39, whilst transmitting 55% of daylight through glass windows. It also has a very low visible light reflectivity for maintaining the natural transparency of glass, an aesthetic quality of great importance to architects. This also helps to save on energy consumption and hence provides return on investment on top of the comfort that occupants get to enjoy.

Besides the problem of heat, the possible injury and damage from glass breaking in the event of an accident is not anticipated nor are we protected from it. The recent surprised building bombings by terrorists require measures to re-look into additional safety and security measures. Application of safety and security films is one such measure, mitigating the likelihood of glass fragments being propelled inward at high speeds by holding them together upon breakage.

The seminar will cover the update from BCA on the use of solar control films and how solar control films can help to conserve energy and lower ETTV calculations of a building. Other areas include the latest advancement in solar control, safety and security performance of window film technologies.

## PROFILE

### Mr Selvam Sevasamy

Mr Selvam Sevasamy was previously the General Manager of V-KOOL (S) Pte Ltd. Now the Group General Manager, Singapore Operations of Novomatrix Holdings (S) Pte Ltd, he manages the local and overseas film business of Novomatrix Holdings

### Mr Kenneth Tan

Mr Kenneth Tan, the Technical Support Engineer of V-KOOL International Pte Ltd, works on the research and development of window films. He also conducts training and has recently co-ordinated V-KOOL's Bomb Blast Mitigation Testing conducted in Canada by ABS Consulting.

### Mr Alan Loh

Mr Alan Loh is the Business Manager overseeing the entire IQue architectural business in Singapore. He also conducts product and market training and is also responsible in the business development and marketing of IQue films in Singapore.

## SINGAPORE INSTITUTE OF ARCHITECTS



Singapore Institute of Architects / V-KOOL (Singapore) Pte Ltd  
Joint Seminar on

## Evolution of Glazing System

### Thursday, 15 September 2005

- 6.00pm Registration, Videos and Refreshments
- 7.00pm Latest technology of Glazing Systems on Energy Conservation *by Mr Selvam Sevasamy*
- 7.45pm Impact of Glazing Systems on Safety and Security *by Mr Kenneth Tan*
- 8.30pm IQue, The Solution Provider *by Mr Alan Loh*
- 8.45pm Questions & Answers

## VENUE

**Singapore Institute of Architects**  
**SIA Theatre – Level 1**  
**79 Neil Road**  
**Singapore 088904**

## ACCREDITATION

A Singapore Institute of Architects (SIA) registered activity. Participating in this activity will accrue **2** points towards the requirements of the SIA Continuing Professional Development Programme.

Registered as a CES Provider of American Institute of Architects (AIA)  
Participation in this activity will accrue Learning Unit Hours.

Supported by the Royal Institute of British Architects (RIBA) as valid CPD Hours for its members.