

# SIA Professional Knowledge Series: Below Ground Waterproofing – Design, Materials and Specification

*Waterproofing of below ground structures such as basements and tunnels is critical due to the need to protect the underlying structure, as well as assets and people within the structure. Architects and engineers need to work together to ensure that the below ground waterproofing system is optimally specified to serve this critical need.*

*This seminar aims to provide the attendees with a clear understanding of the basic principles behind the design of a below ground waterproofing system, the types of materials used, and how a good specification should be written.*

*The following agenda will be presented at the seminar:*

- Design philosophy and site evaluation
- Water-resisting design
- Types of protection and materials:
  - o Type A (Barrier) Protection
  - o Type B (Structurally Integral) Protection
  - o Type C (Drained) Protection



**Eugene Ang, Business  
Manager (Waterproofing) –  
ELMICH PTE LTD**

*Eugene has had more than 10 years of experience in the building and construction industry. Prior to joining the Company, Eugene has held various positions in his career with multi-national companies including BASF, Fosroc and Cementaid.*

## EVENT DETAILS

Date : 16 October 2014, Thursday  
Time : 7.00pm - 9.00pm  
*(Registration will start from 6.30pm onwards with light refreshment @ Level 4 - Y Terrace)*  
Venue : YMCA International House  
One Orchard Road, (S) 238824  
Tan Chin Tuan Function Room 2 (level 4)

(Nearby carparks:  
[http://apex.sia.org.sg/xshare/YMCA\\_Carpark\\_Nearby.pdf](http://apex.sia.org.sg/xshare/YMCA_Carpark_Nearby.pdf))

BOA-SIA CPD : 2 CPD points

Seminar fees : SIA Members\* (Complimentary),  
Non Members (\$65.00)  
*(fees inclusive of GST)*

Closing date : 09 October 2014

*\* For SIA Members whose registrations have been confirmed, attendance is compulsory. Absentee/Cancellations 3 days or less before the event will be charged at \$20.00. Verbal notification of cancellation is not acceptable.*

*\*\* Registration for attendance of seminar shall be closed 30 mins after the seminar commences.*

## PROGRAMME SCHEDULE

6.30pm Registration with Light Refreshment  
7.00pm Presentation by **Mr Eugene Ang,**  
**Elmich Pte Ltd**  
8.30pm Q & A  
9.00pm End of event

For more information, please contact SIA (**Ms Jacey Tay**):

Tel: (65) 6226 2668  
Fax: (65) 6226 2663  
Email: [cpd@sia.org.sg](mailto:cpd@sia.org.sg)

Jointly Organized by:



CPD PROGRAMME: 2014/080/MS/JT

GST REG. NO.: M9-0001281-J  
G.N. No. 565 in Gazette No. 27

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Please fax / email the completed registration form to Ms Jacey Tay:

Tel: (65) 6226 2668

Fax: (65) 6226 2663

Email: [cpd@sia.org.sg](mailto:cpd@sia.org.sg)

And follow up with cheque / cash / online payment to Singapore Institute of Architects.

Please tick your mode of payment:

☐ **By Cheque**

Bank/Chq # : \_\_\_\_\_ Amt S\$: \_\_\_\_\_

Local Cheque (must be drawn in Singapore) should be crossed and made payable to "Singapore Institute of Architects".

Mail to SIA address:

Singapore Institute of Architects

Eunos Technolink, Blk 3 Kaki Bukit Road 1, #02-01, (S)415935

Please indicate your name, company/institution and course date/title on the back of the cheque.

☐ **By Cash**

You can drop by SIA office to make cash payment between 9.30am – 5.30pm on weekdays.

☐ **By Online Payment**

<http://members.sia.org.sg/payment/sia-20141016.html>

(It is mandatory to provide us with your Receipt ID # after your credit card payment transaction)

Receipt ID #:     -     -     -

## Participant's Detail

Organization: \_\_\_\_\_ Contact Person (if any): \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

Receipt Mailing Address: \_\_\_\_\_

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	Full Name of Participant (as per NRIC/FIN, pls underline surname)	NRIC / FIN #	Email	Amt
1				
	HP #: <input type="checkbox"/> SIA Member, SIA #: [ ] <input type="checkbox"/> Non Member, BOA # (if any): [ ]			
2				
	HP #: <input type="checkbox"/> SIA Member, SIA #: [ ] <input type="checkbox"/> Non Member, BOA # (if any): [ ]			
3				
	HP #: <input type="checkbox"/> SIA Member, SIA #: [ ] <input type="checkbox"/> Non Member, BOA # (if any): [ ]			
4				
	HP #: <input type="checkbox"/> SIA Member, SIA #: [ ] <input type="checkbox"/> Non Member, BOA # (if any): [ ]			
5				
	HP #: <input type="checkbox"/> SIA Member, SIA #: [ ] <input type="checkbox"/> Non Member, BOA # (if any): [ ]			
				<b>Total:</b>

\*\*Please take note that all the above fields are mandatory. Incomplete form will not be process.

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 written notification is made at least 3 days before the event.

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

Registration for attendance of seminar shall be closed 30 mins after the seminar commences.

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.

Registration Confirmation No.:-