

Like most developed cities, time, cost and resource usage are some of the most important production performance issues in the construction industry. In Hong Kong, there is a very high demand for public housing. Lately, the government has announced the housing construction target of 85,000 units per year, of which 50,000 units fall into the category of public housing. It demands for speedy construction which has priority over the construction cost, though cost is receiving increasing attention for the accountability of the government.

Meanwhile, in developed countries / cities, like Singapore and Hong Kong, the construction industry cannot attract sufficient young people to join thus has a severe shortage of skilled workers, which adds difficulties to achieve the construction target. Technological improvements have been identified as the most likely approach to address the above issues. The term “technological improvements” refers to using different materials, tools, and/or equipment and to adopting new construction methods.

In order to achieve a quantum leap in productivity improvement in construction, spray machine is being use to do rendering and plastering. An innovative way of utilizing pump to do screeding is also shared. This method considerably reduces the labour requirement on site, the total construction costs and the project completion time. This has long been recognized as one of the greatest technological improvement in construction industry in Hong Kong and it has been adopted by Singapore since.

Learning Points

Knowledge exchange between Hong Kong and Singapore on how technology can enhance productivity, and how the materials, installation process decides the final project quality.

Topics

1. Productivity Enhancement - Spraying System & Self Levelling (NEW) in HK/Singapore

Key objectives are to promote the use of spray machines and pumps to increase the labour productivity of rendering and plastering; and screeding process respectively. This will result in a significant improvement in construction products, processes and applications and eventually lead to significant improvement in site productivity i.e. reduced cycle time and reduced manpower by at least 20%.

2. Good Industry Practices –Tiling

Key objectives are to introduce the importance to improve the tiling safety with high quality tile adhesive, provide practical tips and suggestions on good tiling work including preparation, installation and protection. Moreover, common failures in tiling works and how to prevent such failures will also be discussed.

EVENT DETAILS

Date : 14 May 2015, 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 1 (level 4)

(Nearby carparks:

http://apex.sia.org.sg/xshare/YMCA_Carpark_Nearby.pdf)

BOA-SIA CPD : 2 CPD points

Seminar fees : SIA Members* (Complimentary),
Non Members (\$70.00)
(fees inclusive of GST)

Closing date : 8 May 2015

** 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 **Dr. Chiyui Chan**,
EMIX Industry (HK) Ltd
7.45pm Presentation by **Ms. Sophie Wu**,
Wacker Chemicals South Asia 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

Jointly Organized by:



Speaker Profile

(1) Dr. Chiyui Chan is currently the Business Development Director of EMIX Industry (HK) Ltd.

Dr Chan has more than 10 years of construction product development experience in fast hardening floor and wall repair product system; waterproofing product system; natural and artificial stones adhesive product system; wall insulation and finishing product system; construction grout and concrete repairing product system and wearing resistance floor coating product system.

As a business development director of EMIX Industry (HK) Ltd, he is responsible for the company's business development and marketing activities. Prior to joining EMIX Industry (HK) Ltd in 2003, Dr Chan has spent 2 years with the Technical University of Berlin (TU Berlin) in Germany as a research fellow. Dr Chan holds a Ph.D. Degree in Chemistry from the Hong Kong University of Science and Technology (HKUST).

(2) Ms. Sophie Wu is currently the Technical Manager of Wacker Chemicals South Asia Pte Ltd.

She graduated with a Bachelor degree in Civil Engineering from Wuhan University, Master degree in Material Science from Chongqing University. She has 8 year working experience of dry mix mortar industry in China, contributed to many Chinese national standards setting of dry mortar products such as, CTA, tile grout, skim.

She also published and co-authored many research papers in dry mortar and thermal insulation of buildings such as mechanism of retarders in gypsum, UV resistance of base coat mortar and energy saving performance of EIFS in different climate zones of China.

How would participants benefit from attending?

Today's advancement in technology is increasing the complexity and perpetually changing the modern building's regulations. This directly affects the mortar which can no longer remain as a simple mixing process of mineral binders, sand & water. More research work has been carried out to develop newer mortar products to increase its durability at a faster construction pace yet attaining its economical & ecological goals.

This seminar provides the participants the merits of the factory-mixed dry mortars or commonly known as dry-mix mortar or dry mortar and how the right choice of materials and applications can result in long-wearing buildings. Besides theory, some practical demonstration will also be conducted. Its aim is to give the audiences a better understanding of the dry-mix mortar, its advantages on a socio-economic level and how it can lead to an increased in work efficiency without compromising the standard and quality of the finished projects.

EVENT DETAIL

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

Seminar : [SIA Professional Knowledge Series] Achieving More With Less
 Date : 14 May 2015, 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 1 (level 4)
 (Nearby carparks: http://apex.sia.org.sg/xshare/YMCA_Carpark_Nearby.pdf)
 BOA-SIA CPD : 2 CPD points
 Seminar fee : SIA Members* (Complimentary), Non Members (\$70.00) – fees inclusive of GST
 Closing date : 8 May 2015

* 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.

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

Tel: (65) 6226 2668

Fax: (65) 6226 2663

Email: 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-20150514.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): []			
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5				
	HP #: <input type="checkbox"/> SIA Member, SIA #: [] <input type="checkbox"/> Non Member, BOA # (if any): []			
				Total:

**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.:-

