



1-DAY SEMINAR ON “PASSIVE FIRE PROTECTION TO STEEL BUILDINGS & CONVENTION CENTRES, AND THE CHALLENGES AND SOLUTIONS IN BUILDING ENVELOPE WATERPROOFING”

SPEAKERS:

Mr SCOTT WHITELAW & Mr JOE HO

Date : 26th SEPTEMBER 2019 (Thursday)
Venue : 3RD FLOOR, ARMADA HOTEL
Petaling Jaya, Selangor
Time : 9.00 a.m. – 5.30 p.m.

**BEM Approved CPD/PDP Hours: 6.0
(IEM19/HQ/417/S)**

LIMITED TO 120 SEATS ONLY

'FIRST-COME-FIRST-REGISTRATION BASIS'

CLOSING DATE: 20TH SEPTEMBER 2019

*OR if the Seminar Reach its
Target Registered Participants
NO ONLINE/OFFLINE Registration
will be allowed after the Closing Date*

Organised and Hosted by
Civil and Structural Engineering Technical Division,
The Institution of Engineers, Malaysia

In Collaboration with
GCP Applied Technologies (Malaysia) Sdn Bhd

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

SYNOPSIS

1. WATERPROOFING

To some, waterproofing is an afterthought – a nuisance “to do” which consumes project dollars. Yet, the cost of poor waterproofing runs into the multi-billions of dollars annually. In truth, correct design, selection and installation of waterproofing typically costs less than 0.1% of a project’s build price, yet may save a project many millions in rectifications, operating costs, and extend operational lifetime.

But, how do we design structures and waterproofing correctly? What makes a waterproofing material the right one for the job? What are the considerations, pros and cons of different waterproofing technologies? How do we know if it is applied properly?

These and many other burning waterproofing questions will be answered at this session. The speaker will introduce below ground and above ground building envelope waterproofing, the relevant codes and industry standards, and discuss the various waterproofing technologies, their pros and cons, including sheet membranes, liquid applied membranes and integral waterproofing.

The speaker will detail the challenges (and solutions) frequently encountered in designing, selecting, specifying and installing waterproofing for high rise, high rise residential, commercial, domestic and infrastructure projects. Project case studies and experiences will also be shared to better illustrate the application of each material.

Given the consequences to cost, time and reputation resulting from water ingress, this session will prove extremely beneficial for those of you who need to make the important decisions regarding waterproofing.

2. FIREPROOFING

Fire protection product is a life-saving product critical for steel structures. It is defined as “Any product that, in the event of fire, actively or passively acts to reduce the rate of temperature rise of a building element”. Building elements are any part of a building necessary to maintain the structural integrity or prevent the spread of fire when exposed to elevated temperatures including beams, such as girders, trusses or joists, columns, floors, roofs and walls.

Fire protection isn't just a good thing to have in a steel-framed building — it's required by the building code. Building codes are developed according to local conditions, demands and regulations, the requirements for fire protection products' performance, as regulated by local Building codes, may be different from country to country.

It is collective term though to describe fire protection products, and yet, the functionality and working mechanism of products may be different from each other. Therefore, it should be clear to the specifying professionals that the right product should be put to the right place and performed to fit for the purpose. Therefore, it is important to know how the performance of products can quantified and be measureable before selection of the product system. To achieve this purpose, a knowledge base learning is deemed necessary before a wise choice is made.

SPEAKERS

1) WATERPROOFING SESSION



Mr SCOTT WHITELAW is GCP Applied Technologies' Technical Manager for Australia and New Zealand. Previously a business segment of W. R. Grace & Co. (Grace Construction Products), GCP is a global construction chemicals and building materials supplier. Headquartered in Cambridge, USA, GCP has over 80 years' experience in the construction industry.

Scott has 28 years' experience as a polyurethane development chemist in the waterproofing, construction and manufacturing industries, 20 of which have been spent with GCP as their ANZ Technical Manager.

He has broad experience in waterproofing, protective coatings, fire proofing and air & vapour barrier technology, developing specifications with architects and engineers, technical and field application problem solving, product development, product testing and applicator training.

Based in Brisbane, Australia, Scott supports the Australia and New Zealand business, as well as South East Asian regions periodically. His technical expertise has been accumulated from involvement in commercial, civil and residential projects and collaborative interactions with major consulting firms and contractors across the regions.

Scott has strong involvement with GBCA (Green Building Council of Australia) and AIW (Australian Institute of Waterproofing). He holds a Bachelor of Science degree in Chemistry.

2) FIREPROOFING SESSION



Mr. JOE HO is the Sales Manager for GCP (Hong Kong) Ltd. (formerly named W.R. Grace (HK) Ltd.) overseeing Monokote Fireproofing products sales and technical activities in ASEAN countries, China, Taiwan and India. Joe is based in Hong Kong.

Joe has over 20 years of experience in serving the structural fireproofing industry with competent knowledge and in-depth experience with respect to fire test codes and field application of the Monokote fireproofing products to assure the in-placed product quality and right product in right place. Providing product guidance and technical service to specification society is one of the key roles that Joe will strive to ensure a fit for purpose design is specified.

Before assuming the current position, Joe has spent a number of years to Greater China including China, Taiwan and Hong Kong as Regional Sales Manager, and was taking the primarily role in the business development of Monokote fireproofing in China. Joe obtained his Master Degree in Business Administration from the University of Western Sydney in 2004.

GCP Applied Technologies, Asia Pacific, has over 300 employees, and facilities, sales and technical services support in more than 13 countries and locations. Its principal products include specialty admixtures for the cement and concrete industry, waterproofing, residential building materials, concrete repairs and fireproofing products for the construction industry. Monokote Fireproofing is a product line of GCP Applied Technologies Inc, a leading global construction materials supplier that spun off W.R. Grace & Co on Feb 3, 2016. GCP AT headquartered in Cambridge, MA, and has approximately 2,850 employees on six continents, and serves customers in more than 110 countries.

PROGRAMME

TIME	PROGRAMME	Presented By
0830 – 0900	Registration of Participants <i>Welcome Refreshment</i>	
0900 – 0915	Welcoming Remarks by Chairman, Civil and Structural Engineering Technical Division (CSETD), Ir. Chong Chee Meng	
0915 – 1015	Session 1: <ul style="list-style-type: none"> ❖ Purpose of Sprayed Applied Fireproofing ❖ Key Building Code Requirements for Sprayed Fireproofing ❖ Fire Test Procedure & Acceptance Criteria ❖ Information Needed to Select Proper Design 	Mr. JOE HO
1015 – 1030	Q&A Session 1	
1030 – 1100	<i>Morning Tea Break</i>	
1100 – 1200	Session 2: <ul style="list-style-type: none"> ❖ In-Place Performance Requirements ❖ Product Types & Where They Belong In The Building ❖ International project showcases 	Mr. JOE HO
1200 – 1215	Q&A Session 2	
1215 – 1315	<i>Break for Lunch</i>	
1315 – 1415	Session 3: The Challenges and Solutions In Building Envelope Waterproofing <ul style="list-style-type: none"> ❖ Definition of Waterproofing ❖ International Codes and Standard ❖ Challenges in Building Envelope Waterproofing 	Mr SCOTT WHITELAW
1415 – 1430	Q&A Session 3	
1430 – 1530	Session 4: The Challenges and Solutions In Building Envelope Waterproofing <ul style="list-style-type: none"> ❖ The Solution to Overcome Challenges 	Mr SCOTT WHITELAW
1530 – 1545	Q&A Session 4	
1545 – 1615	<i>Afternoon Tea Break</i>	
1615 – 1645	Session 5: <ul style="list-style-type: none"> ❖ Case Studies 	Mr. JOE HO & Mr SCOTT WHITELAW
1645 – 1700	Q&A Session 5	
1700	End of Seminar	

*** IEM reserves the right to postpone, reschedule, allocate or cancel the course.**

REGISTRATION FORMS

1-DAY SEMINAR ON
"PASSIVE FIRE PROTECTION TO STEEL BUILDINGS & CONVENTION CENTRES, AND
THE CHALLENGES AND SOLUTIONS IN BUILDING ENVELOPE WATERPROOFING
ORGANISED BY CIVIL AND STRUCTURAL ENGINEERING TECHNICAL DIVISION (CSETD)
26TH SEPTEMBER 2019

Fax: 03-7957 7678 Email: shahrul@iem.org.my

REGISTRATION FEE (Subject to 6% SST – Effective 1st March 2019)

	ONLINE / NORMAL FEE (RM)
IEM Members	50.00
Non Members	70.00

No	Name(s)	Membership No.	Grade	Fee (RM)*
				SUB TOTAL
				ADD 6% SST
				Total Payable

PAYMENT DETAILS :

Cash RM _____

Cheque no. _____ for the amount of RM _____ (non refundable) and made payable to "THE INSTITUTION OF ENGINEERS, MALAYSIA" and crossed "A/C Payee Only".

Bank Account No. : 640320010020215, Bank Name: Alliance Bank Malaysia Berhad

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE** the closing date. If payment is not received within the stipulated time, the registration fee will be reverted to the normal registration fee.

Contact Person : _____ Designation : _____

Name of Organization : _____

Address : _____

Telephone No. : _____ (O) Fax No : _____ (O)

Handphone : _____ (HP) Email: _____

Signature & Stamp

Date

Terms & Conditions:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u –Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- **FULL PAYMENT** must be settled before commencement of the course, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participants fail to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. Registration fee includes lecture notes, refreshment.
- The Organizing Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment.

For further details, kindly contact:

The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor
Tel : 603-7968 4001/2 Fax : 603-7957 7678 Email : shahrul@iem.org.my