



The Institution of Engineers, Malaysia

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Pre AGM Talk on “Know Your Cement”

Organised by : Civil & Structural Engineering Technical Division, IEM
BEM Approved CPD/PDP: 2 hours Ref No: IEM15/HQ/224/T

Date: **11 July 2015 (Saturday)**

Time: **9.00am – 11.00am** (*Refreshment will be served at 8.30am*)

Venue: **Auditorium Tan Sri Prof. Chin Fung Kee, Third Floor, Wisma IEM**

Speaker: **Engr. Wong Ai Ming, Grad IEM**

SYNOPSIS

Cement, a binder, has been widely used in construction industry since 200 years ago. It is undeniable that cement is a common building material for buildings, civil and infra projects. In this paper, the topics presented include cement making processes, starting from clinker manufacturing. The various Cement Standards will be mentioned with emphasis on BS EN 197-1:2011. The Standards and properties of supplementary cementitious materials such as Fly Ash, Ground Granulated Blastfurnace Slag and Silica Fume will be discussed. Carbon emission of Ordinary Portland Cement, Portland Fly Ash Cement and Portland Composite Cement, will be compared. The Environmental consideration of these supplementary cementitious materials will be discussed also. Can cement products be classified as green in today’s trend of buildings and township going green? This will be discussed in the presentation. Green cement product certification will be discussed together with its contribution to Green Building certification.

BIODATA OF SPEAKER



Ms Wong Ai Ming graduated from Monash University, Melbourne, with a Bachelor of Materials Engineering (Hons). She lectured for many years in the Tunku Abdul Rahman College, in the Engineering Department, taught subjects such as Properties of Materials and prepared the Engineering students for the UK external examination. She held the position of a Senior Lecturer prior to joining Lafarge Malayan Cement in 1994.

Ms Wong is the Construction Specialist of Lafarge Malaysia Bhd. She had been Manager, Technical prior to present post. She holds various responsibilities, including providing technical support to customers and also to promote Lafarge’s blended cement products and concrete products to Specifiers, Contractors and Developers. She has given presentations on the usage of blended cement in forums such as Malbex and World Congress 2008 in Singapore, NRMCA Concrete Convention, as well as to Jabatan Kerja Raya and Consultants. In this aspect of her work, she has worked with Specifiers and Consultants in successfully specifying and using Portland Fly Ash Cement for durability properties in marine environment, power plants, sewerage treatment plants, dams, airports and thick structures.

Ms Wong is a task force member of the Singapore Green Building Council. As a member of the task force, she has been working with the team to draw up the criteria and rating tool for cement certification. In addition, she contributes to the preparation of Sirim Eco Labelling scheme for cement. At present, she is a committee member of IEM C&S Technical Division.

Ir. Hooi Wing Chuen
Chairman
Civil & Structural Engineering Technical Division, IEM

ANNOUNCEMENTS TO NOTE

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- **Non members** may also attend the talk but will need to pay a registration fee of **RM50** and an administrative fee of **RM15**. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- **IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.**

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of **RM15** is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

CPD HOURS CONFIRMATION

Name:

Membership No: