

Organizer 主辦機構

Co-organizer 協辦機構

## CPD Seminar (2019)

### Silica Fume Application for High Performance Concrete and Spayed Concrete

Date	:	17 Jan 2019 (Thu.)
Time	:	19:00 to 21:00
Venue	:	CityU SCOPE (香港, 金鐘, 金鐘道 95 號, 統一中心 8 樓 Room UR11)
Charge	:	Member \$50, Non-member \$100 (refer to below note item 10)
Language	:	English with Cantonese explanation
Speaker	:	Ben Sealey is Technical & Marketing Manager at Elkem Silicon Materials, Norway. Ben has worked in the concrete industry for more than 20 years. He is a Member of the Institute of Concrete Technology, UK.

\* Confirmation will be sent to successful applicant before the seminar, 2 hours of CPD Certification will send to participant who is registered before the seminar.

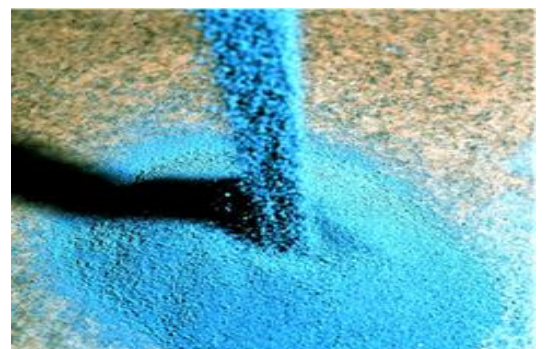
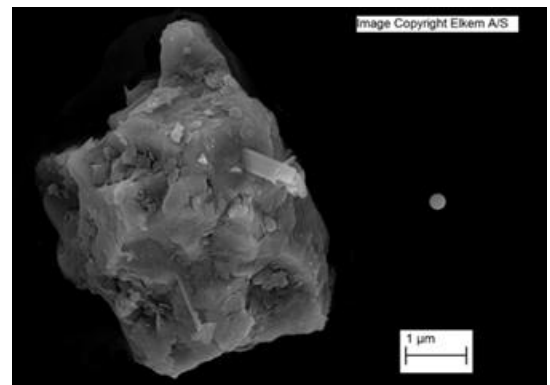
\* If successful applicant who absent with apologies 2 times, we will be stopped their registration in coming 6 months.

#### Highlight of the Seminar:

Use and application of Silica Fume on the High Performance Concrete, Spayed Concrete and Marine Concrete will be introduced.

Silica fume has developed a reputation as one of the key materials enabling engineers to produce high performance concrete. It will be used to increase its performance on marine concrete, high performance concrete and spayed concrete. Silica fume, also known as microsilica, originates as a co-product from the production of silicon or ferrosilicon. Key characteristics of silica fume are:

- ~ Pozzolanic – it consumes calcium hydroxide and reacts with alkalis in the concrete. This leads to less alkali in the pore solution and less calcium hydroxide in the matrix. Consequently, more calcium silicate hydrate binder is present and less calcium hydroxide.
- ~ High purity – compared to other pozzolans, silica fume has a relatively high SiO<sub>2</sub> content.
- ~ Small spherical particles (typically 0.1 to 0.3 μm, and high specific surface area – helps improve particle packing and cohesion in the concrete mixture.





### **Supporting Organizations 支持機構**

#### **Co-organizers:**

Elkem Silicon Materials

HKICM ~ Hong Kong Institute of Construction Managers

#### **Supporting Organizations:**

ICWCI (HK) ~ The Institute of Clerks of works and Construction Inspectorate (HK)

AIB ~ Australian Institute of Building

#### **Note for Registration Seminar:-**

1. Closing Date for Registration: 15 Jan 2019 (Tue.)
2. Only available for **online registration**:
3. Confirmation will be sent to successful applicant before the seminar.
4. 2 hour of CPD Certification who is registered before the seminar.
5. Participants will receive an acknowledgement for the Seminar enrolment by e-mail.
6. The number of participants is restricted to about 60. Applications will be dealt with on a first-come, first-served basis. The Institute reserves the right not to admit an applicant.
7. The Institute reserves the right to alter the details of this Seminar such as change of time, date, venue and speaker or to cancel the Seminar in case of need.
8. For enquiries, please contact: Secretariat HKICW by email: [admin@hkiw.org](mailto:admin@hkiw.org) or Tel: 2815 7030
9. Personal data provided on the enrolment form will be used by the Institute for purposes relating to this Seminar.
10. Payable to HKICW account (511-567596-001) HSBC, when you received confirmation and please return the copy of bank advice via email: [admin@hkiw.org](mailto:admin@hkiw.org)

Disclaimer: The Hong Kong Institute of Clerks of Works will not be liable or provide any type of insurance coverage to the participants for any personal accident, property loss / damage or virus infection arising from the workshop. Participants should make their own insurance arrangement at their own expenses.