

## Talk on “The FM-Approved TPO Roofing System: Performance, Safety & Reliability for Industrial Buildings”

In conjunction with the 53<sup>rd</sup> Annual General Meeting of the IEM (Southern Branch)

Date	: Saturday, 14 March 2026
Time	: 8:30 a.m. (Registration starts at 8:00 a.m.)
Venue	: Holiday Villa Hotel Johor Bahru, Johor
Speaker	: Mr. Andy Law, General Manager, Cemseal Industries Sdn. Bhd.

### Synopsis

As Malaysia experiences rapid growth in industrial buildings, especially data centers, logistics hubs, and high-value manufacturing plants, the need for a roofing system that is safe, durable, and globally certified has become essential. This CPD session presents the FM Approved TPO Roofing System, engineered to meet strict international standards for fire performance, wind uplift resistance, and long-term waterproofing reliability.

The seminar begins with a clear explanation of FM Approvals and why it matters. Participants will learn how FM Global evaluates roofing assemblies through intensive testing, including fire propagation, wind uplift, hail impact, and system durability, to ensure risk reduction and compliance for mission-critical facilities. The talk will explain how an FM Approved roofing system directly impacts building insurance requirements, developer specifications, and long-term operational reliability. Beyond supplying materials, strict installation controls are supported by professional inspection technology. This includes the use of Electronic Leak Detection (ELD) systems to verify membrane integrity, ensuring that every welded seam and detail termination is fully watertight before handover. Such inspection tools significantly reduce post-construction risks and give clients confidence that the system performs exactly as certified.

Participants will also gain an understanding of the technology behind modern FM Approved TPO membranes, including their heat-welded seams, UV resistance, reflectivity, energy-efficient properties, and advantages over conventional roofing systems. Real case studies will showcase the delivery of durable, insurer-compliant, and leak-free roofs for industrial and data center projects nationwide. The seminar concludes with practical design guidelines for consultants, covering insulation integration, securement methods, and long-term maintainability, ensuring that consultants select systems that perform, comply, and deliver measurable value to developers and building owners.

Time	Tentative Programme
8:00 a.m. – 8:30 a.m.	Registration
8:30 a.m. – 8:35 a.m.	Welcome Speech by IEM (SB) Organising Committee
8:35 a.m. – 8:45 a.m.	Introduction by Cemseal Group
8:45 a.m. – 10:45 a.m.	FM-Approved TPO Roofing System
10:45 a.m. – 11:00 a.m.	Questions and Answers Session
11:00 a.m.	End of Talk & Refreshment <i>(The 53<sup>rd</sup> AGM of IEM (Southern Branch) will commence after the presentation)</i>

### About the Speaker:



**Mr. Andy Law** has over 20 years of experience in the construction chemicals industry and is an accomplished specialist in waterproofing, roofing, and concrete protection. Having held management roles in global multinational corporations, he brings extensive experience in leading major industrial and infrastructure projects across Malaysia. Holding an Executive MBA from IUKL, Andy combines deep technical knowledge with practical on-site application strategies to deliver durable, high-performance building solutions.

### Participant Fees:

	Fee
IEM Member	RM 70.00
IEM Member (age > 60 years old)	RM 40.00
Non-Member	RM 150.00

**\*\*Muslim participant will receive One (1) Buffet Ramadan Dinner voucher**

**Closing Date: 10 March 2025**

Kindly return the reply slip to the IEM (SB) office before **10 March 2025** together with a non-refundable cheque for the participant fees made payable to ***The Institution of Engineers, Malaysia (Southern Branch)***. Alternatively, you could bank-in the participant fees into the Institution's **Maybank Current Account (No. 5-013920-15708)**, and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

*Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)*



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#### **REPLY SLIP**

To: Hon. Secretary, The Institution of Engineers, Malaysia (Southern Branch)  **07 – 336 3406**

### **Talk on “The FM-Approved TPO Roofing System: Performance, Safety & Reliability for Industrial Buildings”**

Saturday, 14 March 2026, 8:30 a.m.  
at Holiday Villa Hotel Johor Bahru, Johor.

I wish to attend the above talk. I enclosed herewith a cheque no. .... for the amount of RM.....as payment for the participant fee.

Name of Member: ..... Membership No: ..... I/C No: .....

Address: ..... Tel(O): ..... (Fax).....

..... Tel (H/P): .....

..... E-mail: .....

Company's Name: .....

Signature: ..... Date: .....

**Note** : Kindly *email to iemsouthern@gmail.com* the Reply Slip together with the payment slip for confirmation.  
: Attendance by representative will not be issued with the Certificate of Attendance.

#### **PERSONAL DATA PROTECTION ACT**

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