

ICC's Response to Grenfell Tower

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Overview

- ICC communications
- IBC Requirements
- Code development initiatives
- Approval Process
- Resources
- Looking to the future

ICC Communications

- Interjurisdictional Regulatory Collaboration Committee (IRCC)
- CTBUH – discussion forum
- SFPE – annual meeting and generally following
- Major Jurisdiction Committee
- Media – both US and international

IBC Requirements

- Why now a concern?
 - Buildings of the past were entirely noncombustible
 - Energy conservation and innovation is changing this
- Recently published 2018 IBC
 - Provisions have not dramatically changed in several cycles



IBC Requirements

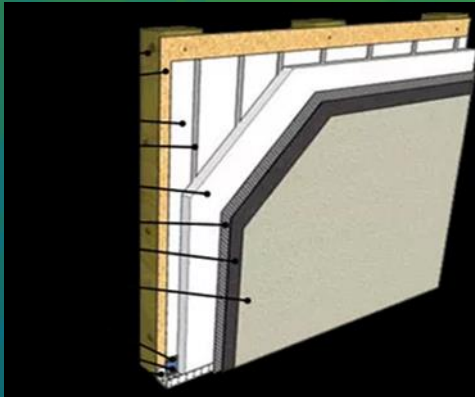
- Chapter 14 of the IBC Addresses exterior wall systems
- Address a variety of materials and must be addressed as a system
- Full scale testing to NFPA 285 is triggered in several different sections



IBC Requirements

- Several different types of Combustible cladding permitted in addition combustible water barriers .
- Typical are EIFS and MCM (also Termed Aluminum Composite Materials (ACM))
- MCM often installed with foam insulation – Chapter 26 of the IBC

EIFS



MCM

Code Development initiatives

- FCAC Committee reviewing
 - Clean up of provisions in Chapter 14
 - Clarification of application of testing requirements
 - when is a full scale test (NFPA 285) required?
 - Proposals being submitted this week for the 2021 codes
 - IBC Fire Safety Committee – Columbus Ohio April 2018
 - Will look at IEBC in the next code change cycle (Group B 2019)

Approvals Process

- Code requirements are only one part of the construction process
- The code application and approvals process is key.
 - Plan review – identify what is permitted
 - Conformity assessment – MCM manufacture and labeling
 - Inspection process

More Information

- ICC-ES has several evaluation reports on the subject of Metal Composite Materials
<http://www.icc-es.org/>
- Recently released a short article aimed at the review process <https://www.iccsafe.org/wp-content/uploads/External-Wall-Systems-Article.pdf>

Looking to the future

- Communications with international counterparts and Major Jurisdictions Committee and other relevant groups
- Constant review of our provisions – FCAC
 - Deadline January 11th for Group A (Building and Fire codes) – <https://www.cdpassess.com/>
- Code Hearings April 2018 – Columbus OH
- Public Comment Oct 2018 - Richmond VA

Thank you

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