



ATS CONTINUING EDUCATION  
ONLINE\_SEMINAR  
Fire-Rated Products and Fire-Safety Design  
Solutions - Central Time Zone  
Tuesday, May 23, 2023



12:00 PM [Welcome, Credits, and Certificates](#)

12:05 PM **Designing For Fire Safety**

When considering the building enclosure, fire safety is an important design factor and needs to be considered hand-in-hand with energy code requirements. By developing a better understanding of how the material and systems testing standards for fire safety can impact the overall design, architects and designers can confidently and freely design spaces that could save lives in the event of fire. This presentation will review common fire standards including NFPA 285 test standard. It will outline the criteria for compliance, as well as identify triggers and contributors under the different standards. Participants will review how the selection building components such as insulation, air/water resistive barriers, claddings finishes, can affect the fire performance of an assembly, and identify solutions and common paths for compliance.

Denise Alvera  
Rockwool Provider #: K269  
AIA #:RWNA210501 HSW

01:05 PM [Review of Session Code Process](#)

01:10 PM **Salty Timbers : A guide to sodium borate treatment technologies in the FRTW, IRTW, and wood structure preservation fields**

An architect's perspective on wood preservation treatment technologies is needed to balance the considerations of building durability while protecting the health and welfare of building occupants. This course uses case studies in single ingredient mineral salt treatments, whose known origin and chemistry can lower the impact of construction material supply chains. FRTW (Fire Resistant Treated Wood) is regulated by certifications in the US, with specific applications in mid-rise, multi-family, and mixed-use projects. Specifiers who want to access the environmental and structural benefits of a sustainable natural resource by using FRTW, have to navigate a complex web of factors including chemistry, effects on fasteners, and regulations that have evolved to ensure safety and code compliance in critical structural components. IRTW (Insect Resistant Treated Wood) is a standards-based regulatory framework with a wide variety of treatment intensities, use classifications, and chemical ingredients. The southern US and Caribbean basin offer study of multiple environmental conditions and code frameworks. Mineral salt treatments are unique in their ability to span both of these markets with a single ingredient. Although sodium borate's low human and eco-toxicity has been known for centuries, the modern potential of mineral salt treatments for wood are shown most clearly by recent technologies that have been able to clear the hurdles of US certification and patent processes.

Eli Gould  
Eli graduated with one of the first dual Architecture/Forestry degrees from Yale in the early '90s, with a conviction that the two fields would eventually be more linked. After a quarter century, this seems more true and even mainstream, but for many years it was an entrepreneurial effort in the small vertical wood prefab companies he ran in Vermont, and in the automated timber industry where he often consulted. For the last three years, Eli has brought those experiences into a nonprofit market development role for QWEB. When he's not trying to transform the AEC industry into a positive climate force he enjoys small town and organic farm life in Vermont with his family.  
QWEB (Quebec Wood Export Bureau) Provider #: 502111360  
AIA #:QWEBSalty HSW

02:10 PM [Break](#)

02:20 PM [Sponsor: Chemical Technologies Holding, Inc - Andrew Dingman](#)

02:30 PM

## **Integrated Fire and Smoke Door Systems: Specifying Your Own Safety Net**

In this course we will discuss integrated doors systems, sustainability, compliance, and code. We will understand the importance of smoke and fire protection in various applications and vertical markets and how with the proper protection from integrated door systems, you can save lives. We will present benefits of the integrated door system for fire and smoke. As a learner, you will have the opportunity to see real life examples and apply those to current buildings. You will see how and when to use these systems and the simplicity there is when so much weight is on your shoulders.

Candace Kitchen

Total Door Systems - Architectural Door Consultants    Provider #: J149

AIA #:TD-IFSDS-F2F HSW

03:30 PM

[End](#)



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