Australian Institute of Architects | Refuel

1 Formal CPD Point

CPD LIVE

Free CPD education online

This CPD seminar entitles you to 1 formal CPD point. Please be aware you are required to manage your own CPD records. We will provide you with your participation certificate and answer sheet once you have attended the full seminar.

HOW TO PROTECT STEEL STRUCTURES FROM FIRE

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1. What are the three elements of the fire triangle?
2. What is Passive Fire Protection?
3. What is Active Fire Protection?
4. Why do we protect steel structures from fire?
5. What are the three common types of protection systems for structural steel?
6. Why is knowing the section factor, size, and exposure important for structural steel protection specs?

At the end of this panel, attendees will be able to:

• Outline the risks that fire poses to structural steel used in large multi-storey buildings.

• Identify the regulations that govern the use of structural steel in Australia.

• Outline the basic principles surrounding the specification of structural steel.

• List the minimum requirements for specifying structural steel, including in terms of fire protection.

• Identify passive fire protection systems that are suitable for use with structural steel and the properties and benefits of each.

AACA Competency Codes: 1. Design: Project Briefing 1.2 / 3. Design: Conceptual Design 3.4, 3.7 / 4. Design: Schematic Design 4.4, 4.5, 4.6 / 5. Documentation: Detailed Design 5.3, 5.4, 5.5