

Zinc Roofing and Cladding

PARTICIPANT DETAILS:

Name: _____

Practice/Company: _____

E-mail: _____

TOPIC

Zinc Roofing and Cladding

OVERVIEW

In this CPD presentation, you will be able to identify the sustainable and green qualities on zinc over other metals from a Life Cycle Analysis perspective, detail and design zinc roofing and cladding specifications with a view of material longevity and sustainability and list compatible and incompatible materials when used with zinc building envelopes.

LEARNING OUTCOMES

- Zinc basics, properties & sustainability qualities compared to other metals
- How zinc can contribute to green and sustainable design
- Zinc roofing in green building among common application types
- Different applications of exterior zinc wall panels and cladding

Formal Outcomes: Project Initiation and Conceptual Design – PC24, PC28. Detailed Design and Construction Documentation – PC39.

Zinc Roofing and Cladding

1. What happens when zinc is exposed to the elements (H₂O, O₂, CO₂, ...)?
2. How long does the natural patina typically take to develop?
3. Is zinc 100% recyclable?
4. Is zinc a non-ferrous metal?
5. What is the average lifespan of a zinc roof/cladding in Australia?
6. Is it ok to lay zinc externally with less than 3 degrees?
7. How do the zinc cladding and roofing systems accommodate thermal expansion?
8. Name 2 popular and traditional zinc roofing techniques
9. List 2 types of cladding techniques used for wall cladding
10. What are the 2 metals that zinc is incompatible with?
11. What are 3 common building metals that are compatible with zinc?
12. List 2 other popular zinc applications besides roofing and cladding?