

REALFLAME

TOPIC

Electric Fires as A Simpler, Greener Alternative

OVERVIEW

This presentation will introduce the latest technological alternatives to wood, gas and ethanol fires. There is a growing range of 2D and 3D electric fires which simulate effects such as smoke, flame and sound.

We'll cover energy consumption, learn the inner workings of how the realism effects are achieved and a few tricks to make sure you're equipped to specify the correct type of product for the environment – in all senses of the word.

Electric fires are ideal for applications where gas, ethanol or wood fires are impractical to flue or safety is paramount (such as childcare, aged care or hotels.)

LEARNING OUTCOMES

1. Distinguish between the different types of electric fires.
2. Correctly design the frame.
3. Calculating and understanding lifetime running costs of different fuels.
4. Use the knowledge gained to appropriately specify a project with the most appropriate product.

AACA Unit of Competency

Formal outcomes:

Project Initiation and Conceptual Design – PC33, 36.

Detailed Design and Construction Documentation – PC45.



Formal CPD Questionnaire

- 1. Would a 2D fireplace be a good source of primary heating?**
 - A. Yes
 - B. No
 - C. If the area was sized appropriately

- 2. Which equation is correct?**
 - A. $W = A \times V$
 - B. $V = W / A$
 - C. $E = mc^2$
 - D. All of the above

- 3. Electric heaters are considered to be what efficiency?**
 - A. 92%
 - B. 94%
 - C. 97%
 - D. 100%

- 4. What clearances are required for electric fires?**
 - A. 30mm
 - B. 40mm
 - C. 0mm

- 5. Does an electric fire require a flue?**
 - A. Yeah.
 - B. Nah.

- 6. Would it be a good idea to modify a misting unit to permeate essential oils into your living space?**
 - A. Absolutely not.
 - B. See answer A.

