



## WEBINAR: UNDERSTANDING YOUR PROJECT'S CARBON FOOTPRINT

### Questionnaire

- 1) Which of these is not a Project Lifecycle Stage in Whole Life Cycle carbon assessment?
  - a. Use Stage
  - b. Product Stage
  - c. Handover Stage
  - d. End of Life
- 2) What do EPDs (Environmental Product Declarations) provide?
  - a. Manufacturers data about specific product's embodied carbon and density
  - b. Statistical analysis of embodied carbon and density of products found on market
  - c. Academic research estimates on embodied carbon and density of generic materials
- 3) Which database is considered the industry standard for generic material EC values?
  - a. ODBC database
  - b. ICE database
  - c. FIRE database
  - d. CCC database
- 4) Which type of resource can be used for early design concept Materials?
  - a. Simple Materials
  - b. Compound Materials
  - c. Complex Materials
  - d. Synthetic Materials
- 5) What are Vectorworks Material Properties needed for Product Stage calculation?
  - a. Embodied Carbon and Density
  - b. Embodied Carbon and Lambda
  - c. Embodied Carbon and Product Source
  - d. Embodied Carbon and Waste Percentage
- 6) What Window and Door object parameters affect EC calculation?
  - a. Shim gap and Glazing thickness
  - b. Jamb depth and Shim gap
  - c. Glazing thickness and Jamb depth
- 7) What is the assumed project lifespan of buildings in VECC, used for expected number of replacements?
  - a. 35 years
  - b. 80 years
  - c. 95 years
  - d. 60 years
- 8) Waste percentage is considered as the proportion of material to be ...
  - a. reused at the end of project lifespan
  - b. disposed of at landfill at the end of project lifespan
  - c. sold at the end of project lifespan
  - d. recycled at the end of project lifespan



- 9) What Vectorworks tool is used to calculate Operational Energy Use?
- a. Marionette
  - b. Heliodon
  - c. Energos
  - d. NBS Chorus
- 10) RIBA 2030 climate challenge sets out targets for Embodied Carbon and Operational Energy use for ...
- a. 2020 and 2030
  - b. 2025 and 2030
  - c. 2030 and 2035
  - d. 2030 and 2040

## Links

[Vectorworks Embodied Carbon Calculator](#)

[Vectorworks webinar recording: Understanding Your Project's Carbon Footprint](#)

[RICS: Whole life carbon assessment \(WLCA\) for the built environment](#)

[Inventory of Carbon and Energy \(also known as the ICE database\)](#)

[Environmental Performance in Construction \(EPiC\) database](#)

[The Footprint Company: The Green Book](#)

[MECLA Dictionary of Carbon](#)

[GBCA Upfront Carbon Emissions calculation guide – interim](#)

[NSW Dept. of Planning and Environment: Embodied Emissions Technical Note](#)

[NABERS Embodied Emissions Materials Form \(NSW SEPP\)](#)

[NSW Dept. of Planning and Environment: BASIX](#)

[AIA: Sustainability And Climate Action](#)

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