

MECLA - Regenerative Materials



Tina Fox

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Isabella Peppard
Architect

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Architects
Declare Climate
& Biodiversity
Emergency

What is Architect's Declare?

- Industry advocacy group
- Addressing climate change
- Practicing Architects
- Global network
- Started in UK in 2019
- 28 countries

The logo consists of a black rectangular background with a red curved shape on the left side. The text is white and positioned on the black background.

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Australian Architects Declare

- Not for profit
- Constitution
- Applying for charity status
- Volunteers (no paid positions)
- 1000+ signatories
- National Steering Committee
- 5 Working Groups

The logo consists of a black square with a red curved shape on the left side. The text is white and positioned on the black background.

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Materials Working Group

- Make it easy for designers to make better, more sustainable decisions
- Sharing knowledge + learning together
- Sharing resources + sharing the load
- Advocating for clear guidance and principles to industry



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Members

9 regular members:

- Isabella Peppard
- Scott Carver
- BVN
- Bates Smart
- Fitzpatrick+Partners
- BKK
- Brand Architects
- Hassell
- Warren Mahoney

+ more in 2023



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The logo consists of a black rectangular background. A red curved shape, resembling a quarter-circle, is positioned in the bottom-left corner. The text "Australian Architects Declare Climate & Biodiversity Emergency" is written in white, stacked vertically, and is partially overlaid by the red shape.

Key goals

- Database criteria
Filtering information to make better decisions
- Supplier questionnaire and advocacy letter
Advocating our
- Design process guidebook
Guide to sustainable design processes
- Materials selection guidebook
Guide to the selection of sustainable materials



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Criteria

Criteria for Products and Materials Database

Environmental criteria

- Human Health (Substances, Product, VOCs, Allergies)
- Climate Health (Upfront & Embodied Carbon)
- Ecosystem Health (Pollution, Product Water, Biodiversity & Conservation, Life Cycle Environmental Impacts)
- Social Health & Equity (Ethical Supply Chain, Modern Slavery, Community)
- Circular Economy (Virgin Resource Use, End-of-Life, Packaging, Durability, Waste, Product Stewardship, Reparability/Spare Parts, Material Circularity Index, Recycled Content)
- Certifications & Transparency Declarations

Other criteria

- Product Name and Identifying Code
- Image
- Source location
- Manufacturing location (+Warehouse Location)
- Standard Dimensions
- Cost (price per functional unit)
- Lead times
- Fire rating/combustibility
- Relevant Compliance requirements (e.g. slip rating, r-value)
- Finish
- Colour
- Warranty



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External engagement

- GBCA
- BPIRating
- Future Materials
- Global Greentag
- MECLA



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Thankyou

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