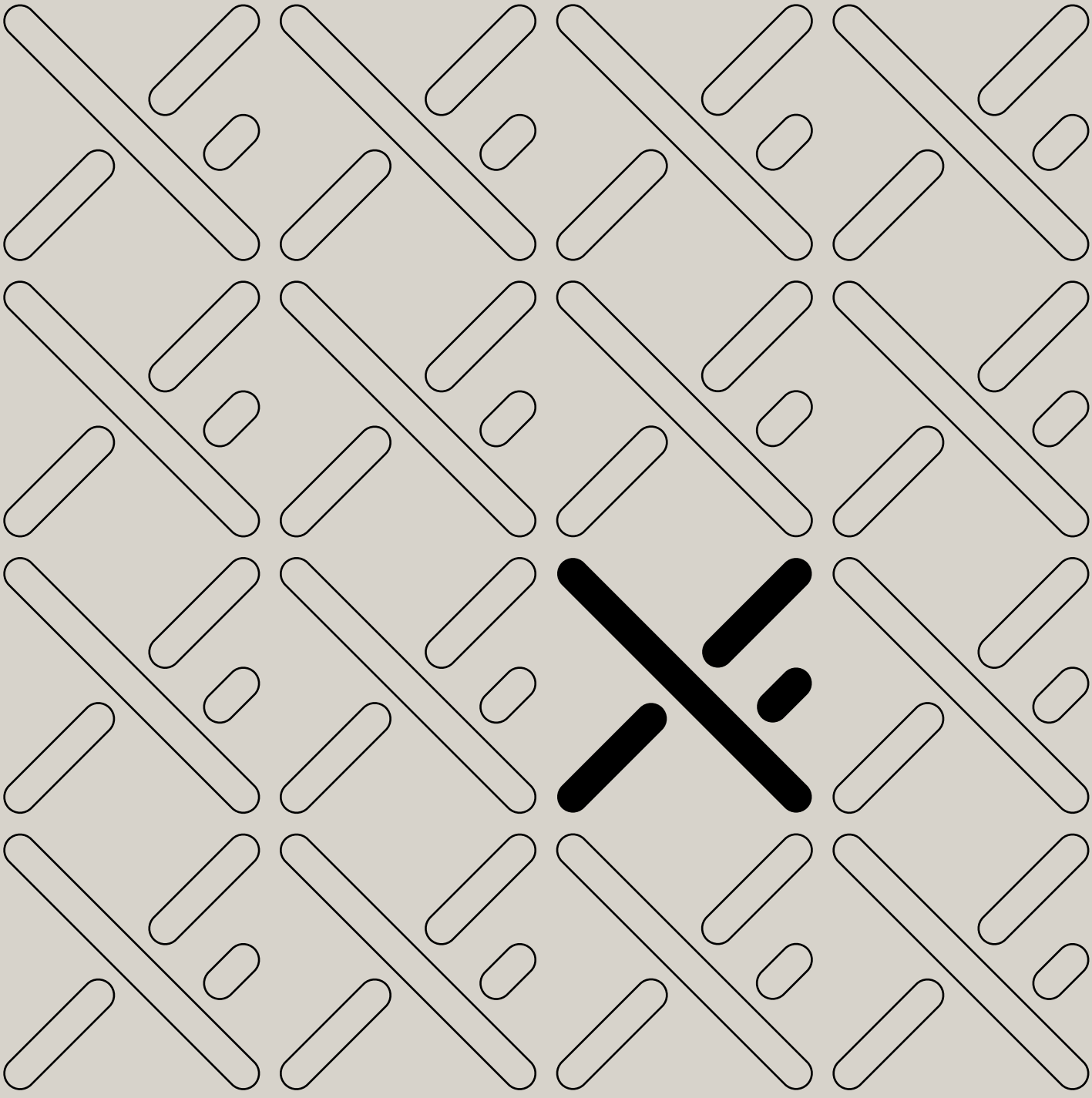
XFRAME™

XFrame Environmental Policy

Australia Region | Revised Januray 2022



XFrame Environmental Policy

1.0 Commitment to Sustainable Practices:

XFrame is a construction technology company committed to best practice environmental impact minimisation and management. XFrame recognises the urgent need for environmental conservation practices as part of everyday business operations and decision making. To meet this commitment XFrame is dedicated to minimising pollution, ensuring efficient usage of energy, water, and materials, and to minimising waste and maximising closed-loop material recovery in every aspect of design, production, installation, packaging and transportation of our products and services.

1.1 Key Commitments:

As part of XFrame's commitment to environmental best practice the company...

- works to maintain environmental management systems in alignment with ISO 14001
- complies with applicable laws and regulations and apply standards that minimise any adverse impact to the environment.
- regularly reviews environment management practices and evaluates their effectiveness.
- ensures that all research and development activities consider the conservation of resources, the minimisation of waste and the long-term impact that any new or existing product or service has on the environment.
- regularly reviews product offerings and business practices against the latest relevant international best practices for sustainable material specification, waste management and material conservation.
- communicates with contractors, 3rd parties, customers and/or members of the public their responsibilities to reduce and manage impact because of XFrame business operations.
- evaluates project specific operations and activities to identify environmental risks and allocate resources to minimise its impact.
- establishes project specific Environmental Management Plan's in liaison with customers and/or subcontractors as applicable, setting out the responsibilities and processes to implement environmental requirements under the contract.
- ensures the site work practices comply with the project environmental system and any contractual obligations and monitors the performance of processes and activities to ensure the environmental obligations are being adhered to.

2.0 Commitment to Circularity, Product Stewardship and Design for Deconstruction:

It is the ambition of XFrame™ to aid in the transition of the building industry from a linear economy to a circular economy. XFrame™ aims to begin the transition to circularity in construction by offering a structural frame that can facilitate the recovery and reuse of almost all building layers. Every day we work to design and deploy building systems that can be easily deconstructed, that are local in their supply and manufacture, and integrate comprehensive product stewardship schemes that out-live their creators. For this reason, circular economy principles underpin everything we do.

2.1 XFrame Framework for Circular Product and Building Design:

XFrame's framework for circular product and building design is comprised of four categories based on the design process. Each category has its own circular design requirements. The categories and their respective requirements are outlined below:

2.1.1 Materials:

Products must:

- have Recycled, Reused, or Renewable material compositions.
- use materials that fit within established high-value material recovery schemes.
- use materials that are inert/non-toxic and non-composite/non-hybrid/without

secondary finishes.

- adopt low carbon and low embodied energy materials.
- minimise the quantity of different material types.

XFrame also checks to verify the origin and certification of all materials used in the manufacture of XFrame products. XFrame only accepts the use of FSC Certified timber materials in its products.

2.1.2 Modularity:

Products and building systems must:

- adopt a standardised module.
- be easy to incorporate into new buildings and spaces.
- have modularity working across functional temporal building layers.
- be manufactured using standardised elements and materials.
- allow for flexible reuse through expansion/ structural independence.
- be sized to facilitate easy handlining, transportation and storage.
- have a deconstruction sequence that is appropriate to non-skilled users and inherently apparent based on junction and module design.
- use geometry that does not prohibit or limit deconstruction practices.
- report the quantity of waste materials produced after each use cycle (gross; including prefabrication, assembly and recovery).

2.1.3 Fixings:

Products and building systems must:

- Use mechanical fixings that allow for multiple use cycles.
- Use fixings that do not damage jointed materials or the fixing itself.
- Use standardised fixings.
- Use fixings that can be quickly separated from intersecting materials.
- Deploy fixings in such a way that they can be removed safely.
- Work to reduce the number of connections and the different types of connections.

2.1.4 Documentation:

XFrame will ensure end-of life identification of building parts is possible & make available a material passport for completed buildings in alignment with best practice circular design principles.

3.0 Alignment of Environmental Objectives with Company Objectives:

It is the mission of XFrame to proliferate circular economy-based building technologies throughout the construction sector. This mission is in direct alignment with the underlying intention of ISO 14001 and United Nation Sustainable Development Goals (SDG's) 9, 11, 12, 13 and 15. It is the ambition of XFrame to continue to provide innovative solutions that aid in the broader adoption of circular economy-based building solutions. New product offerings and services will always be evaluated against XFrame's core mission.

4.0 Commitment to Ongoing Environmental Policy Improvement:

The XFrame™ Sustainability Policy is the company's guiding statement on sustainability and is a living document that can be reviewed, improved, and enhanced. All internal and external feedback is welcome and encouraged.

Policy authorised by:

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