



# **LIFESPAN**

COMPOSITE ARCHITECTURAL BEAMS

## LIFESPAN SELF-DECLARED ENVIRONMENTAL STATEMENT

### **EVA-LAST®**

INSPIRED BY NATURE, DESIGNED FOR LIFE.

# SELF-DECLARED ENVIRONMENTAL STATEMENT

## Lifespan architectural beams | Product environmental claims

This self-declared environmental statement presents product-specific environmental claims for **Lifespan architectural beams**, with reference to **ISO 14021:2026** and **ISO 14020:2022**.

It applies to Lifespan architectural beam products represented by the Lifespan Beam Technical Data Sheet, Version D1.2, dated 30 November 2024, and the supporting controlled evidence identified in this statement. Packaging, transport and end-of-life processing are outside the declared product scope. Installation-related claims apply only where Lifespan beams are installed using the prescribed Lifespan connector systems and installation methods.

The claims are supported by controlled product documentation and product-specific evidence. This statement is not an Environmental Product Declaration (EPD), ecolabel, certification or independent third-party environmental verification.

## Pioneer decking | Product environmental claims

| Product            | Lifespan architectural beams                                                                                      |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Application        | Architectural beams for pergolas, privacy screens, cladding, soffits and similar decorative exterior applications |
| Manufacturer       | Eva-Last                                                                                                          |
| Product technology | Aluminium structural core with Eva-tech cellulose-polymer outer composite layer                                   |

## Product specifications

| Category                     | Detail                                                                                                            |
|------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Product and construction     | Hybrid aluminium / cellulose-polymer architectural beam                                                           |
| Core                         | Aluminium alloy 6063-T5                                                                                           |
| Outer composite layer        | Eva-tech HDPE / cellulose fibre composite                                                                         |
| Bonding                      | Composite outer layer bonded to aluminium core using engineered flexible adhesive                                 |
| Installation                 | Mechanical assembly using Lifespan brackets, concealed connectors, screws, bolts and related fastening systems    |
| Routine care                 | Water, dishwashing liquid and standard cleaning equipment in accordance with the Lifespan Cleaning and Care Guide |
| Protective surface treatment | No scheduled staining, sealing or equivalent protective refinishing required                                      |

The Lifespan brochure illustrates the product as a tri-extruded construction comprising an aluminium core, engineered flexible adhesive and outer Eva-tech composite coating.

The installation guide documents the use of Lifespan-specific concealed brackets, plate mounts, screws and related mechanical fastening systems.

Material composition summary

| Layer                 | Composition summary                                                          | Mass basis                            |
|-----------------------|------------------------------------------------------------------------------|---------------------------------------|
| Core                  | Aluminium alloy 6063-T5 – 62%                                                | Included in total product composition |
| Composite outer layer | HDPE 20%; cellulose fibres (bamboo or wood fibres) 11%; calcium carbonate 3% | Included in total product composition |
| Additional additives  | Other additives 4%                                                           | Included in total product composition |

**Composition basis:** Lifespan Beam Technical Data Sheet, Version D1.2, dated 30 November 2024. The TDS notes that material mass distribution may vary by profile.

For detailed constituent and safety information, refer to the Lifespan Material Safety Data Sheet, Version 1.0, SDS ID 211108012SHF02, dated 7 December 2021. The SDS reports 62% aluminium, 20% polyethylene, 11% wood fibre dust and the balance as calcium carbonate and identified additives.

SUPPORTING DOCUMENTATION

| Subject                              | Controlled evidence                                                                      |
|--------------------------------------|------------------------------------------------------------------------------------------|
| Product performance and composition  | Lifespan Beam Technical Data Sheet, Version D1.2, 30 November 2024                       |
| Material composition and safety      | Lifespan Material Safety Data Sheet, Version 1.0, SDS ID 211108012SHF02, 7 December 2021 |
| Care and maintenance                 | Lifespan Cleaning and Care Guide, Version V1, 18 June 2025                               |
| Installation, repair and disassembly | Lifespan Installation Guide, Version 2.0, 18 January 2024                                |
| Product construction and application | Lifespan Brochure, supplied controlled marketing document                                |
| Environmental claim framework        | ISO 14020:2022; ISO 14021:2026                                                           |

Supporting documentation is retained by Eva-last HK SA (Pty) Ltd. Publicly available product documents may be accessed through the Eva-Last downloads section.

ENVIRONMENTAL CLAIMS

1. Durability & maintenance

Specific self-declared environmental claim – ISO 14021:2026 general requirements

| Claim                                                                  | Scope                                                                                                                                                                                                          | Basis and supporting evidence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Durable exterior performance without scheduled protective refinishing. | Lifespan architectural beams do not require scheduled staining, sealing or equivalent protective refinishing to maintain their intended exterior performance. Routine cleaning and inspection remain required. | The Lifespan Cleaning and Care Guide, <b>Version V1, dated 18 June 2025</b> , states that Lifespan is intended as a low-maintenance alternative to timber and does not require costly or time-consuming treatments, stains or sealants. Routine cleaning with water, dishwashing liquid and standard cleaning equipment is prescribed. The Lifespan TDS, <b>Version D1.2</b> , includes surface hardness, scratch resistance, abrasion resistance, impact performance and surface bonding strength data. This supports a durability and maintenance claim but is <b>not presented as an ISO Extended life claim</b> . |

## 2. Repairability

System-level repairability – ISO 14021:2026 Clause 8.13

| Claim                                                                                        | Scope                                                                                                                                                                                                                                                                                                                                         | Basis and supporting evidence                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Local repair or beam replacement without replacing the complete architectural system.</b> | Individual Lifespan beams and associated connectors can be addressed locally within a mechanically assembled pergola, screen or similar architectural installation. The claim applies at the installed-system level; it does not mean that the bonded aluminium/composite construction of the beam itself is necessarily repaired internally. | The Lifespan Installation Guide, <b>Version 2.0</b> , specifies mechanically assembled connections using Lifespan brackets, concealed rafter connectors, plate mounts, screws, bolts and related fastening methods. These connections allow individual beams or connectors to be accessed and replaced without requiring replacement of the complete installed structure. |

## 3. Designed for disassembly

ISO 14021:2026 Clause 8.2

| Claim                                                                                                                      | Scope                                                                                                                                                                                                                                                                                                                                                                                                | Basis and supporting evidence                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Designed for disassembly from the installed architectural system using Lifespan mechanical brackets and connectors.</b> | Lifespan beams are mechanically connected to the installed architectural system using dedicated brackets, screws, bolts and related removable connectors. The claim applies to removal of the complete Lifespan beam or system component from the installation. It does not imply that the adhesively bonded aluminium core and composite outer layer are designed to be separated from one another. | The Lifespan Installation Guide documents a defined mechanical connector system using concealed rafter brackets, clip-in U brackets, plate mounts, Z-point screws, bolts and related connections. These connections provide identifiable and reversible attachment points for removal of complete Lifespan beams and associated components. |

## 4. Aluminium and cellulose material content

Specific self-declared composition / environmental characteristic claim

| Claim                                                             | Scope                                                                                                                                             | Basis and supporting evidence                                                                                                                                                                                                                      |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contains aluminium and cellulose-based composite material.</b> | Lifespan is a hybrid architectural beam consisting predominantly of an aluminium structural core with an outer cellulose-polymer composite layer. | The Lifespan TDS reports a simplified material composition comprising 62% aluminium alloy 6063-T5, 20% HDPE, 11% cellulose fibres, 3% calcium carbonate and 4% additional additives. The cellulose fraction is identified as bamboo or wood fibre. |

## DECLARATION

Eva-Last is responsible for the claims made in this statement and for maintaining the information and evidence used to substantiate them.

Claims apply only within the product scope and conditions identified above. This statement should be reviewed where changes to the product formulation, aluminium specification, composite outer layer, adhesive system, connector design, installation requirements, maintenance requirements or supporting evidence could affect continued validity.

The **Designed for disassembly** claim applies to the removal of Lifespan beams and associated components from the installed architectural system using the prescribed Lifespan mechanical connector system. It does not imply that the adhesively bonded aluminium core and composite outer layer are readily separable for material recovery.

The **repairability** claim applies at the installed-system level and includes local component or beam replacement. It does not imply repair of the bonded internal beam construction.